

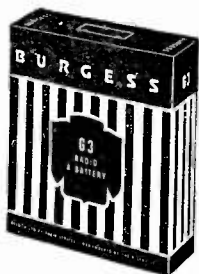
BURGESS BATTERIES



4F



2R



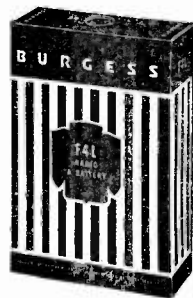
G3



F4PI



T5



F4L

BURGESS PORTABLE "A" BATTERIES

No. 2F.	1½ volts.	Size, 2½" x 1⅞" x 4⅞".	Standard package 6.....	List price, \$.56
No. 2F4.	6 volts.	Size, 3½" x 2¼" x 5⅞".	Standard package 6.....	List price, 1.75
No. 2F4L.	6 volts.	Size, 3½" x 1⅞" x 10½".	Standard package 6.....	List price, 1.85
No. 2R.	1½ volts.	Size, 2⅞" x 1⅞" diameter.	Standard package 12.....	List price, .10
No. 4F.	1½ volts.	Size, 2⅞" x 2⅞" x 4½".	Standard package 12.....	List price, .95
No. 4FL.	1½ volts.	Size, 3½" x 1⅞" x 5½".	Standard package 10.....	List price, .90
No. 6F.	1½ volts.	Size, 4½" x 2½" x 4".	Standard package 6.....	List price, 1.30
No. 8F.	1½ volts.	Size, 3½" x 2½" x 5⅞".	Standard package 6.....	List price, 1.65
No. 8FL.	1½ volts.	Size, 3½" x 1½" x 10½".	Standard package 6.....	List price, 1.75
No. F4L.	6 volts.	Size, 3⅞" x 1⅞" x 5⅞".	Standard package 6.....	List price, .90
No. F4PI.	6 volts.	Size, 2½" x 2½" x 4⅞".	Standard package 12.....	List price, .94
No. F4PIX.	6 volts.	Size, 2½" x 2½" x 4⅞".	Standard package 6.....	List price, 1.87
No. FX.	1½ volts.	Size, 1⅞" diameter x 3½".	Standard package 6.....	List price, .46
No. G3.	4½ volts.	Size, 4" x 1⅞" x 4⅞".	Standard package 12.....	List price, .75
No. G5.	7½ volts.	Size, 3⅞" x 2¼" x 4⅞".	Standard package 10.....	List price, 1.10
No. T5.	7½ volts.	Size, 2½" x 2⅞" x 3⅞".	Standard package 6.....	List price, 1.25
No. C5.	7½ volts.	Size, 2⅞" x 1½" x 3".	Standard package 6.....	List price, .95
No. B5.	7½ volts.	Size, 3⅞" x 3⅞" x 2½".	Standard package 10.....	List price, .95
No. F3.	4½ volts.	Size, 3½" x 1⅞" x 4½".	Standard package 6.....	List price, .75
No. Z4.	6 volts.	Size, 1½" x 1½" x 2⅞".	Standard package 24.....	List price, .50



A30



B30



M30



XX45



XX30

BURGESS PORTABLE "B" BATTERIES

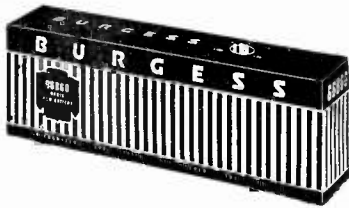
No. A30.	45 volts.	Size, 3½" x 2⅞" x 4⅞".	Standard package 6.....	List price, \$2.15
No. A30M.	45 volts.	Size, 4½" x 3½" x 2½".	Standard package 6.....	List price, 3.50
No. A60.	90 volts.	Size, 4⅞" x 3⅞" x 4⅞".	Standard package 6.....	List price, 4.35
No. B30.	45 volts.	Size, 4⅞" x 2½" x 5⅞".	Standard package 12.....	List price, 2.35
No. M30.	45 volts.	Size, 3½" x 1½" x 5⅞".	Standard package 12.....	List price, 2.00
No. W20PI.	30 volts.	Size, 1½" x 1½" x 3⅞".	Standard package 6.....	List price, 2.00
No. W30PI.	45 volts.	Size, 2½" x 1⅞" x 3⅞".	Standard package 6.....	List price, 2.05
No. XX30.	45 volts.	Size, 2½" x 1½" x 3½".	Standard package 12.....	List price, 1.65
No. XX45.	67½ volts.	Size, 2½" x 1⅞" x 3¼".	Standard package 12.....	List price, 2.25
No. Z30.	45 volts.	Size, 2½" x 2¼" x 4½".	Standard package 6.....	List price, 2.50
No. Z59.	88½ volts.	Size, 3⅞" x 2¼" x 5⅞".	Standard package 6.....	List price, 3.70
No. N60.	90 volts.	Size, 3½" x 1¼" x 3½".	Standard package 6.....	List price, 2.95
No. K45.	67½ volts.	Size, 2½" x 1½" x 2½".	Standard package 12.....	List price, 2.25

A QUALITY DRY BATTERY FOR EVERY PURPOSE

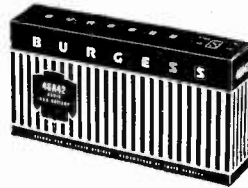
SUBJECT TO TRADE DISCOUNT

M.

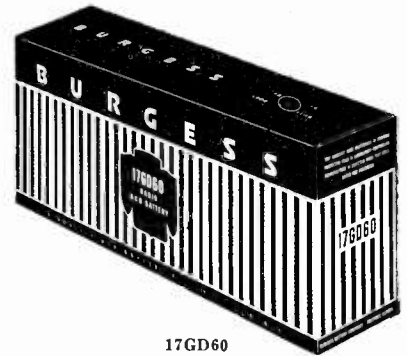
BURGESS BATTERIES



G6B60



4GA42



17GD60



6TA60



5DA60



F6A60



F4B60

BURGESS FARM "A & B" BATTERIES

No. 17GD60. 1½ volt "A", 90 volt "B". Size, 15⁵/₈" x 4⁷/₈" x 7". Standard package 1.

List price, \$5.95

No. 18GD60. 1½ volt "A", 90 volt "B". Size, 5⁵/₈" x 6³/₄" x 12⁷/₈". Standard package 1.

List price, \$7.95

No. 398. 6 volt "A", 90 volt "B". Size, 8¹/₂" x 4⁵/₈" x 14". Standard package 1.

List price, \$12.35

No. 3G6D60. 9 volt "A", 90 volt "B". Size, 8¹/₂" x 4⁵/₈" x 14". Standard package 1.

List price, \$7.95

No. 739. 7½ volt "A", 90 volt "B". Size, 8¹/₂" x 4⁵/₈" x 14". Standard package 1.

List price, \$13.60

BURGESS PORTABLE "A" & "B" BATTERIES

No.	Voltage	Size	List Price
2F4A60.	6A, 90B	12" x 2 ³ / ₄ " x 4 ³ / ₈ "	\$5.95
2F4B60.	6A, 90B	10 ⁵ / ₈ " x 3 ³ / ₈ " x 4 ³ / ₈ "	6.55
2TXX40.	1½A, 60B	2 ³ / ₈ " x 1 ¹ / ₈ " x 7 ¹ / ₈ "	3.00
3FA60.	1½A, 90B	4 ³ / ₂ " x 2 ¹ / ₂ " x 10 ³ / ₄ "	7.05
4FA60.	1½A, 90B	7" x 3 ¹ / ₂ " x 4 ¹ / ₄ "	5.95
4GA41.	1½A, 61½B	9 ¹ / ₈ " x 2 ¹ / ₈ " x 3 ¹ / ₈ "	4.15
4GA42.	1½A, 63B	9" x 2 ⁷ / ₈ " x 4 ¹ / ₈ "	4.15
4TA60.	1½A, 90B	8 ¹ / ₈ " x 2 ¹ / ₂ " x 4 ³ / ₂ "	5.25
5DA60.	1½A, 90B	5 ¹ / ₈ " x 2 ⁷ / ₈ " x 6 ¹ / ₈ "	4.95
6FA60.	1½A, 90B	11 ¹ / ₈ " x 1 ⁵ / ₈ " x 6 ³ / ₂ "	4.95
6TA60.	1½A, 90B	9 ¹ / ₈ " x 2 ³ / ₂ " x 4 ³ / ₂ "	5.50
D4A60.	6A, 90B	5 ¹ / ₂ " x 2 ³ / ₄ " x 6 ¹ / ₈ "	6.35
D5A60.	7½A, 90B	9 ¹ / ₈ " x 2 ³ / ₂ " x 4 ³ / ₂ "	6.35
F4A41.	6A, 61½B	9 ⁷ / ₈ " x 2 ¹ / ₄ " x 4 ³ / ₂ "	4.75
F4A50.	6A, 75B	9 ¹ / ₈ " x 2 ¹ / ₈ " x 3 ⁵ / ₈ "	4.50
F4B60.	6A, 90B	10 ³ / ₄ " x 2 ¹ / ₈ " x 4 ³ / ₂ "	4.95
F5M45.	7½A, 67½B	9 ³ / ₂ " x 2 ⁵ / ₈ " x 4 ¹ / ₈ "	4.50
F6A60.	9A, 90B	9 ¹ / ₄ " x 2 ³ / ₄ " x 4 ⁷ / ₈ "	4.95
G4B50.	6A, 75B	12 ³ / ₈ " x 2 ¹ / ₈ " x 4 ¹ / ₈ "	4.95
G4B60.	6A, 90B	10 ³ / ₄ " x 2 ³ / ₂ " x 5"	5.50
G5A42.	7½A, 63B	9 ¹ / ₈ " x 2 ³ / ₄ " x 4 ³ / ₂ "	4.20
T5Z60.	7½A, 90B	9 ¹ / ₂ " x 2 ¹ / ₈ " x 3 ³ / ₄ "	5.50
G6B60.	9A, 90B	13 ⁷ / ₈ " x 2 ³ / ₂ " x 4 ⁵ / ₈ "	5.50
G6M60.	9A, 90B	10 ³ / ₈ " x 3 ¹ / ₈ " x 4 ³ / ₂ "	5.50
T5Z50.	7½A, 75B	8 ⁷ / ₈ " x 3 ¹ / ₂ " x 2 ¹ / ₂ "	4.50
F6A60P.	9A, 90B	9 ³ / ₈ " x 2 ³ / ₂ " x 4 ⁷ / ₈ "	5.25

A QUALITY DRY BATTERY FOR EVERY PURPOSE

BURGESS BATTERIES



5308



5540



2370



10308



2308

BURGESS RADIO "B" BATTERIES

- | | | | | |
|------------|-------------------------|--|--------------------------|--------------------|
| No. 10308. | 45 volts. | Size, 8 $\frac{3}{8}$ " x 4 $\frac{3}{8}$ " x 7 $\frac{1}{8}$ ". | Standard package 6..... | List price, \$3.96 |
| No. 21308. | 45 volts. | Size, 8 $\frac{1}{8}$ " x 4 $\frac{3}{8}$ " x 7 $\frac{3}{8}$ ". | Standard package 6..... | List price, 4.15 |
| No. 2308. | 45 volts. | Size, 8 $\frac{3}{8}$ " x 2 $\frac{3}{8}$ " x 7 $\frac{3}{8}$ ". | Standard package 6..... | List price, 2.88 |
| No. 5156. | 22 $\frac{1}{2}$ volts. | Size, 4 $\frac{3}{8}$ " x 2 $\frac{7}{8}$ " x 2 $\frac{3}{8}$ " x 3 $\frac{1}{4}$ ". | Standard package 10..... | List price, 1.80 |
| No. 5308. | 45 volts. | Size, 4" x 2 $\frac{3}{8}$ " x 5 $\frac{1}{8}$ " x 5 $\frac{1}{8}$ ". | Standard package 10..... | List price, 2.15 |

BURGESS RADIO "B" & "C" BATTERIES

- | | | | | |
|-----------|-------------------------|--|--------------------------|------------------|
| No. 2156. | 22 $\frac{1}{2}$ volts. | Size, 6 $\frac{3}{8}$ " x 4 $\frac{1}{8}$ " x 2 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ ". | Standard package 6..... | List price, 1.63 |
| No. 2370. | 4 $\frac{1}{2}$ volts. | Size, 4 $\frac{3}{8}$ " x 1 $\frac{1}{8}$ " x 2 $\frac{1}{8}$ " x 3 $\frac{3}{8}$ ". | Standard package 10..... | List price, .81 |
| No. 4156. | 22 $\frac{1}{2}$ volts. | Size, 3 $\frac{1}{8}$ " x 2 $\frac{1}{8}$ " x 2 $\frac{3}{8}$ " x 2 $\frac{7}{8}$ ". | Standard package 10..... | List price, 1.80 |
| No. 5360. | 4 $\frac{1}{2}$ volts. | Size, 2 $\frac{3}{8}$ " x $\frac{3}{8}$ " x 2 $\frac{3}{8}$ " x 2 $\frac{1}{8}$ ". | Standard package 10..... | List price, .50 |
| No. 5540. | 7 $\frac{1}{2}$ volts. | Size, 3 $\frac{3}{8}$ " x $\frac{3}{8}$ " x 2 $\frac{1}{8}$ " x 3 $\frac{3}{8}$ ". | Standard package 10..... | List price, .95 |

BURGESS FARM RADIO "A" BATTERIES

- | | | | | |
|-----------|------------------------|---|-------------------------|------------------|
| No. 12F3. | 4 $\frac{1}{2}$ volts. | Size, 10 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ " x 6 $\frac{1}{8}$ ". | Standard package 1..... | List price, 5.04 |
| No. 20F. | 1 $\frac{1}{2}$ volts. | Size, 7 $\frac{5}{8}$ " x 2 $\frac{3}{8}$ " x 6 $\frac{1}{8}$ ". | Standard package 6..... | List price, 3.95 |
| No. 29F2. | 3 volts. | Size, 11 $\frac{3}{8}$ " x 3 $\frac{1}{8}$ " x 6 $\frac{1}{8}$ ". | Standard package 1..... | List price, 5.52 |

BURGESS HEARING AID BATTERIES

"A" BATTERIES FOR VACUUM TUBE HEARING AIDS

- | | | | | |
|----------|------------------------|--|--------------------------|--------------------|
| No. 1ES. | 1 $\frac{1}{2}$ volts. | Size, 1" x 1 $\frac{1}{8}$ ". | Standard package 10..... | List price, \$.10 |
| No. 2ES. | 1 $\frac{1}{2}$ volts. | Size, 1 $\frac{1}{8}$ " x 2 $\frac{7}{8}$ ". | Standard package 12..... | List price, .10 |
| No. 2ZE. | 1 $\frac{1}{2}$ volts. | Size, 1 $\frac{1}{8}$ " x $\frac{1}{8}$ " x 1 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ ". | Standard package 10..... | List price, .25 |
| No. 5ES. | 1 $\frac{1}{2}$ volts. | Size, $\frac{3}{4}$ " x 2 $\frac{3}{8}$ ". | Standard package 10..... | List price, .10 |
| No. CL. | 1 $\frac{1}{2}$ volts. | Size, 1" diameter x 2 $\frac{3}{8}$ ". | Standard package 10..... | List price, .20 |
| No. TE. | 1 $\frac{1}{2}$ volts. | Size, 1 $\frac{1}{8}$ " x 3 $\frac{7}{8}$ ". | Standard package 4..... | List price, .27 |
| No. 9ES. | 1 $\frac{1}{2}$ volts. | Size, 1 $\frac{7}{8}$ " x $\frac{1}{8}$ ". | Standard package 12..... | List price, 1.25 |

"B" BATTERIES FOR VACUUM TUBE HEARING AIDS

- | | | | | |
|------------|-------------------------|--|--------------------------|------------------|
| No. K10E. | 15 volts. | Size, 1 $\frac{7}{8}$ " x $\frac{3}{8}$ " x 1 $\frac{1}{2}$ ". | Standard package 20..... | List price, .90 |
| No. K15E. | 22 $\frac{1}{2}$ volts. | Size, 1 $\frac{7}{8}$ " x $\frac{3}{8}$ " x 2 $\frac{1}{8}$ ". | Standard package 20..... | List price, 1.40 |
| No. K20E. | 30 volts. | Size, 1 $\frac{7}{8}$ " x $\frac{3}{8}$ " x 2 $\frac{3}{8}$ ". | Standard package 20..... | List price, 1.65 |
| No. U10E. | 15 volts. | Size, 1 $\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{2}$ ". | Standard package 20..... | List price, .85 |
| No. U15E. | 22 $\frac{1}{2}$ volts. | Size, 1 $\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{3}{4}$ ". | Standard package 20..... | List price, 1.05 |
| No. U20E. | 30 volts. | Size, 2 $\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{3}{4}$ ". | Standard package 20..... | List price, 1.25 |
| No. XX15E. | 22 $\frac{1}{2}$ volts. | Size, 1 $\frac{1}{8}$ " x $\frac{1}{8}$ " x 3 $\frac{7}{8}$ ". | Standard package 10..... | List price, 1.45 |
| No. XX22E. | 33 volts. | Size, 2 $\frac{1}{8}$ " x $\frac{3}{8}$ " x 3 $\frac{1}{4}$ ". | Standard package 10..... | List price, 1.65 |
| No. XX30E. | 45 volts. | Size, 2 $\frac{1}{2}$ " x $\frac{1}{8}$ " x 3 $\frac{7}{8}$ ". | Standard package 20..... | List price, 1.90 |

"A" AND "B" ASSORTMENTS

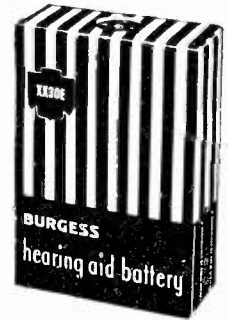
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|-------|--|---------------------|
| HA73. | Consists of 30 No. 1ES, 24 No. 2ES, 12 No. TE, 6 No. XX30E, and 1 No. XX22E. Standard package 1..... | List price, \$21.69 |
| HA21. | Consists of 2 No. XX30E, 1 No. XX22E, 8 No. TE, 6 No. 1ES, 4 No. 2ES. Standard package 1..... | List price, 8.61 |

For Carbon Hearing Aids—Universal Batteries

- | | | | | |
|----------|------------------------|--|--------------------------|--------------------|
| No. T2R. | 3 volts. | Size, 2 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ ". | Standard package 12..... | List price, \$1.05 |
| No. T3R. | 4 $\frac{1}{2}$ volts. | Size, 3 $\frac{1}{8}$ " x 1 $\frac{3}{8}$ " x 3 $\frac{1}{8}$ " x 4 $\frac{3}{8}$ ". | Standard package 12..... | List price, 1.00 |

For Western Electric Ortho-Technic Models

- | | | | | |
|-----------|------------------------|--|--------------------------|------------------|
| No. C3WE. | 4 $\frac{1}{2}$ volts. | Size, 3 $\frac{1}{8}$ " x 1 $\frac{3}{8}$ " x 2 $\frac{5}{8}$ ". | Standard package 12..... | List price, .85 |
| No. T2WE. | 3 volts. | Size, 2 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ " x 4". | Standard package 12..... | List price, 1.05 |
| No. T3WE. | 4 $\frac{1}{2}$ volts. | Size, 3 $\frac{1}{8}$ " x 1 $\frac{3}{8}$ " x 3 $\frac{1}{8}$ ". | Standard package 12..... | List price, 1.00 |



XX30E



K15E



TE



U20E



Z2E



T3WE



T3R

A QUALITY DRY BATTERY FOR EVERY PURPOSE

SUBJECT TO TRADE DISCOUNT

BURGESS BATTERIES



4FH



4F2H



No. 2



No. 1



Z



4F4H



2F2H



F2BP



F4BP



Z30BP

BURGESS FLASHLIGHT BATTERIES

- | | | |
|--------|---|--------------------|
| No. 1. | 1½ volts. Size, 1" x 1½". Standard package 12..... | List price, \$.10 |
| No. 2. | 1½ volts. Size, 1½" x 2½". Standard package 48..... | List price, .10 |
| No. Z. | 1½ volts. Size, ½" x 1½". Standard package 12..... | List price, .075 |

BURGESS IGNITION BATTERIES

- | | |
|-------|---|
| 4FH. | 1½ volts. Size, 2½" x 2½" x 3½" x 4¼". Standard package 20...List price, \$.70 |
| 4F2H. | 3 volts. Size, 3½" x 2½" x 5½". Standard package 8.....List price, 1.35 |
| 4F4H. | 6 volts. Size, 8¼" x 2¾" x 5½" x 6¾". Standard package 6...List price, 3.20 |
| 4F5H. | 7½ volts. Size, 7½" x 3½" x 5½" x 6¾". Standard package 4.....List price, 3.98 |
| 4F6H. | 9 volts. Size, 8½" x 3½" x 5½" x 6¾". Standard package 4.....List price, 4.55 |

FOR INDUSTRIAL APPLICATIONS

BURGESS "A" BATTERIES

- | | |
|-----------|---|
| No. 2F2H. | 3 volts. Size, 2½" x 2½" x 4" x 4¼". Standard package 10...List price, \$.90 |
| No. 2FBP. | 1½ volts. Size, 2½" x 1½" x 3½" x 4½". Standard package 10...List price, .71 |
| No. 4FH. | 1½ volts. Size, 2½" x 2½" x 3½" x 4¼". Standard package 20. List price, .70 |
| No. F2BP. | 3 volts. Size, 2½" x 1½" x 4" x 4¼". Standard package 10...List price, .71 |
| No. F4BP. | 6 volts. Size, 2½" x 2½" x 3½" x 4¼". Standard package 10. List price, .73 |

BURGESS "B" BATTERIES

- | | |
|-------------|---|
| No. A75BP. | 112½ volts. Size, 10½" x 3½" x 2½". Standard package 1.....List price, \$6.18 |
| No. W30. | 45 volts. Size, 2½" x 1½" x 3¾" x 4¼". Standard package 6...List price, 3.00 |
| No. W30BPX. | 45 volts. Size, 2½" x 1½" x 3½" x 4½". Standard package 6...List price, 2.73 |
| No. Z30NX. | 45 volts. Size, 2½" x 1½" x 4½" x 5". Standard package 10...List price, 2.58 |
| No. Z30PX. | 45 volts. Size, 2½" x 1¼" x 4¾" x 4½". Standard package 6...List price, 6.33 |

BURGESS "C" BATTERIES

- | | |
|-----------|--|
| No. A8BP. | 12 volts. Size, 2¾" x 1½" x 2½" x 2¾". Standard package 6. List price, 2.25 |
| No. B2BP. | 3 volts. Size, 1½" x 1½" x 2½" x 2½". Standard package 6...List price, .65 |
| No. W5BP. | 7½ volts. Size, 3½" x 2½" x 1¾" x 1½". Standard package 6...List price, 1.37 |

A QUALITY DRY BATTERY FOR EVERY PURPOSE

THE BATTERIES FOR THE RADIO TRADE— RCA BATTERIES



RADIO-ENGINEERED FOR EXTRA LISTENING HOURS

RCA Type	Voltage	Max. Dimensions, Inches			Interchangeable with	Sugg'd List Price
		Lgth.	Width or Diam.	Body Height		
→ → PORTABLE "A" BATTERIES						
VS002	4½	4	1⅜	4⅞	746	G3 \$.80
VS003	7½	3⅞	2⅝	4⅞	687	G5 1.10
VS004	1½	2⅝	2⅝	4⅞	742	4F .95
VS005	1½	3⅞	1⅜	5⅞	—	4FL .90
VS007	1½	3⅞	2⅝	4⅞	743	6F 1.30
VS008	1½	3⅞	1⅞	10¾	745	8FL 1.75
VS009	6	2⅝	2⅝	4⅞	744	F4PI .95
VS010	6	3⅞	2⅞	5½	718	2F4 1.75
VS011	6	3⅞	1⅞	10¾	747	2F4L 1.85
VS036	1½	—	1⅞	2⅝	"Sealed-in-Steel"	.125
VS065	7½	2⅞	2	3⅞	Ensign A47	C5 1.00
VS067	4½	4	1⅜	4⅞	736	F3 .75
VS129	7½	4⅞	1⅞	3	—	B5 .95
→ → PORTABLE "B" BATTERIES						
VS012	45	4⅞	2⅝	5⅞	762	B30 2.35
VS013	45	3⅞	1⅞	5½	482	M30 2.35
VS014	45	3⅞	2¼	4⅞	—	A30 2.15
VS015	45	3	2¼	4	738	Z30 2.60
VS016	67½	2⅝	1⅞	3¾	467	XX45 2.45
VS055	45	2⅞	3⅞	3⅞	455	XX30 1.75
VS090	90	3⅞	1⅜	3¾	490	N60 3.25
→ → PORTABLE "AB" BATTERY PACKS						
VS018	7½-9-90	10⅞	3⅞	4⅞	754	G6M60 5.95
VS019	7½-9-90	9½	2⅞	4⅞	753	F6A60 5.95
VS020	6-7½-90	9⅞	2⅝	4⅞	—	F5M45 4.50
VS037	1½-90	11⅞	1½	6⅞	—	6FA60 4.95
VS038	7½-63	8⅞	2¾	4⅞	—	G5A42 4.20
VS041	1½-7½	4⅞	3¾	6⅞	—	— 5.35
VS043	1½-90	5½	2⅞	7⅞	—	5DA60 4.95
VS044	6-90	12⅞	2¾	4⅞	—	2F4A60 5.95
VS046	6-75	12⅞	2¾	4⅞	Zenith Z675	G4B50 4.95
VS047	9-90	13⅞	2¾	4⅞	Zenith Z985	G6B60 5.95
VS048	6-90	10¾	2¾	5	Zenith Z659	F4B60 4.95
VS050	6-7½-75	8⅞	2⅞	3⅞	—	T5Z50 4.95
VS052	1½-61½	9⅞	2⅞	3⅞	Philco 41A4G	4GA41 3.95
VS053	1½-63	9⅞	2	4¾	Philco 41A4FL	4GA42 3.95
VS054	1½-90	10	2⅞	4⅞	—	6TA60 5.50
VS057	7½-9-90	9⅞	2⅞	3¾	Philco P361	T5Z60 5.50
VS058	9-90	9⅞	2⅞	4⅞	Zenith Z909	F6A60P 5.95
Kit #1	Includes	6-VS036, 1-VS016	—	—	—	3.19
→ → FARM "AB" BATTERY PACKS						
VS021	1½-90	10⅞	2¾	6⅞	758	— 5.95*
VS022	1½-90	15¾	4¼	6⅞	759	17GD60 7.95*
VS045	1½-90	12⅞	5⅞	6⅞	Zenith Z28	18GD60 7.95*
VS049	6-75	14⅞	4⅞	6⅞	Zenith Z682	3G4D50 7.50*
VS099	1½-90	15¾	4⅞	6¾	Deluxe "Sealed in Steel"	8.95*

SERVICING 99% OF PORTABLE & FARM HOME RADIO REQUIREMENTS



VS036



VS013



VS019

RCA's selective distribution primarily to the RADIO TRADE steers customers back to you!



VS022

The RCA Trademark and attractive package guarantee immediate customer acceptance!



VS001



VS033



VS034



VS006S

* Prices slightly higher on Pacific Coast
All prices in effect 3/28/49.

Turn page for additional types →



RCA BATTERIES — THE BATTERIES FOR THE RADIO TRADE

RADIO-ENGINEERED FOR EXTRA LISTENING HOURS

**SERVICING 99% OF
PORTABLE & FARM HOME
RADIO REQUIREMENTS**



VS002



VS016



VS 053

**RCA's selective distribution
primarily to the RADIO TRADE
steers customers back to you!**

**The RCA Trademark and attrac-
tive package guarantee im-
mediate customer acceptance!**



VS 006C



VS127W

RCA Type	Voltage	Max. Dimensions,		Inches Body Height	Interchangeable with		Sugg'd List Price
		Lgth.	Width or Diam.		Eveready	Burgess	
→ → FARM "A" BATTERIES							
VS024	1½	7¼ ₁₆	2¼ ₁₆	7	740	20F	\$3.30
VS025	3	11¼ ₁₆	4	6	X125	20F2	5.50*
→ → FARM "B" BATTERIES							
VS026	22½-45	8¼ ₁₆	3¾ ₁₆	7¾ ₁₆	485	2308PI	2.95
VS027	22½-45	8¼ ₁₆	4¾ ₁₆	7¾ ₁₆	386	10308P1	3.95*
→ → RADIO HEARING AID "A" BATTERIES							
VS070	1½	—	1½ ₁₆	4¼ ₁₆	Zenith Z1-S	TE	.30
→ → FLASHLIGHT BATTERIES							
VS001	1½	—	1¼ ₃₂	2¼ ₃₂	950	2	.10
VS033	1½	—	1¾ ₃₂	1½ ₁₆	935	1	.10
VS034	1½ (Baby) 1½ (Penlite)	—	¾ ₆₄	2	915	Z	.075
→ → INDUSTRIAL & SPECIAL BATTERIES							
VS006C	1½	—	2¾	6¾	6 IGN	—	.70*
VS0065	1½ (Ign.)	—	2¾	6¾ ₁₆	6	—	.70*
VS028	4½	2¾	1¾ ₁₆	2¾	781	5360	.50
VS029	1½-3-4½	3¼ ₁₆	7/8	3¼	773	5540	.95
VS030	3-4½	4¼ ₁₆	17/16	3¼ ₁₆	X771	2370PI	.85
VS031	3-4½- 16½-22½	4	2½	3	768	5156PI	1.95
VS039	6 (Hotshot)	10¾	2¾	7¾	1461-2	4F4H	3.35*
VS040 (Spring)	6 (Lant.)	2¼ ₁₆	2¼ ₁₆	4¾ ₁₆	409	F4H	.80
VS040 (Screw)	6 (Lant.)	2¼ ₁₆	2¼ ₁₆	4¾ ₁₆	—	F4BP	.80
VS042C	1½	—	2¾	6¾	TEL	—	.65*
VS0425	1½	—	2¾	6¾ ₁₆	TEL	—	.65*
VS100	3	2¾	1¾	4¾ ₁₆	—	F2BP	.71
VS101	1½	2¾	1¾	4¾ ₁₆	—	2FBP	.71
VS102	22½	3¾	2¾	2¾	763	4156	1.95
VS106	1½	2¼ ₁₆	2¼ ₁₆	4¾ ₁₆	—	4FH	.70*
VS112	22½-45	4¾	2¾	5¾ ₁₆	762S	5308	2.50
VS114	22½-45	2¼ ₃₂	127/32	4¼ ₁₆	—	Z30NX	2.58
VS126	22½-45	8¼	3¼	7¾ ₁₆	—	2308SC	2.95
VS127W	22½-45	8	4	7¾	—	10308SC	3.95*
VS130	1½-3-4½	4	17/16	37/16	761T	2370BP	.85
VS131	3-4½-6- 9-10½- 16½-22½	4¾	2½	3¾ ₁₆	778	5156SC	2.00
VS132	9	4¾ ₁₆	2¼ ₁₆	2¾	—	D6BP	1.90
VS133	4½	2¾	1¾ ₁₆	3¼ ₁₆	703	532	.45
VS136	3	2¼ ₁₆	2¼ ₁₆	4¾ ₁₆	—	2F2H	.90
VS137	18-22½	6½	4	3¾	766T	2156	1.63
VS138	3	3¾	2¼ ₁₆	5¾	—	4F2H	1.35
VS139	6	7¾ ₁₆	32¼ ₃₂	6¾ ₁₆	—	4F5H	3.98*
VS140	9	8¼ ₁₆	3¼ ₁₆	6	1662	4F6H	4.55*
VS157	22½-45	8¼	4¾	7¼ ₁₆	794	21308SC	4.15*
VS214	45	3¾ ₁₆	2¼	4¾ ₁₆	Spec. Positioned Socket		2.30

All prices in effect 3/28/49.

*Prices slightly higher on Pacific Coast.

THE COMPLETE LINE OF **EVEREADY** FLASHLIGHTS



No. 2231 TWO-CELL "EVEREADY" AUTOMATIC SPOTLIGHT—Seamless brass tube. Chromium finish with rolled-on black decoration. Uses 2 "Eveready" No. 936 batteries and "Eveready" Lamp No. PR6. Unit package quantity 1. List Price Each (Complete With Batteries) \$1.65



No. 2351 THREE-CELL "EVEREADY" AUTOMATIC SPOTLIGHT—Seamless brass tube. Chromium finish with rolled-on black decoration. Uses 3 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR3. Unit package quantity 1. List Price Each (Complete With Batteries) \$1.95



No. 2645 FIVE-CELL "EVEREADY" FOCUSING SEARCHLIGHT—Chromium fittings, seamless brass tube with durable black, baked on finish equipped with ring hanger. Uses 5 "Eveready" No. 950 batteries and "Eveready" Lamp No. 605. Unit package quantity 1. List Price Each (Complete With Batteries) \$4.50



No. 915
1 1/2 volts.
Length
1 3/32"
Diameter
3 5/64"
Weight
1/2 oz.



No. 935
1 1/2 volts.
Length 2"
Diameter
1 1/2"
Weight
1 1/3 oz.



No. 950
1 1/2 volts.
Length
2 27/64"
Diameter
1 21/64"
Weight
3 3/4 oz.



No. 509
Lantern
Battery.
6 volts.
2 5/8" x 2 5/8" x
3 27/32"
Weight
1 lb., 7 oz.



DISPLAY PACKAGE
No. 25

Contains 6 No. 2251 two-cell "Eveready" Automatic Spotlights, displays 6. Seamless brass tube, chromium finish with rolled-on black decoration. Uses 2 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR2.

List Price Each (Complete With Batteries) \$1.65



DISPLAY PACKAGE
No. 71

Contains 12 No. 2671 two-cell "Eveready" Focusing Spotlights, displays 6. Chromium fittings, seamless brass tube with durable black baked on finish. Equipped with ring hanger. Uses 2 "Eveready" No. 950 batteries and "Eveready" Lamp No. 14.

List Price Each (Complete With Batteries) \$1.65



DISPLAY PACKAGE
No. 22

Contains 12 No. 220 Penlights, all chromium finish on seamless brass. Uses 2 "Eveready" No. 915 batteries and "Eveready" Lamp No. 222.

List Price Each (Complete With Batteries) \$1.00



No. 1351

Three-Cell Pre-focused Industrial Flashlight—General purpose type. Uses 3 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR7. Unit package quantity 1. List Price Each (Complete With Batteries)

\$3.15



No. 1251

Two-Cell Pre-focused Industrial Flashlight—General purpose type. Uses 2 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR6. Unit package quantity 1. List Price Each (Complete With Batteries)

\$2.95



No. 1259

Two-Cell Pre-focused Permissible Safety Flashlight—Uses 2 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR6. Extra lamp in bottom cap included. Unit package quantity 1. List Price Each (Complete With Batteries)

\$5.20



No. 1359

Three-Cell Pre-focused Permissible Safety Flashlight—Uses 3 "Eveready" No. 950 batteries and "Eveready" Lamp No. PR7. Extra lamp in bottom cap included. Unit package quantity 1. List Price Each (Complete With Batteries)

\$5.50

SCHEDULE OF PRICES

Cat. No.	No. of Cells	Cell Size	List Price Each	Unit Pkg. Qty.	Weight of Unit Packages	
					Lbs.	Ozs.
915	1	AA	\$.075	12	—	7 1/2
935	1	C	.10	12	1	4
950	1	D	.10	48	9	4

Lantern Battery

509	4	F	.70	12	16	8
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"Eveready" Miniature Lamps for Radio Panel Service

"Eveready" No.	Bulb	Volts	Amp.	List Price
40	T-3 1/4	6-8	0.15	\$.10
41	T-3 3/4	2.5	0.50	.10
44	T-3 3/4	6-8	0.25	.10
46	T-3 3/4	6-8	0.25	.10
47	T-3 3/4	6-8	0.15	.10
48	T-3 3/4	2	0.06	.15
49	T-3 3/4	2	0.06	.15
50	G-3 1/2	6-8	C.P. 1	.10
1490	T-3 3/4	3.2	0.16	.11

FLASHLIGHT LENS ASSORTMENT

Cat. No.	Type	Unit Package Quantity
102	40 No. 53419 Spotlight Lenses and 2 No. 53123 Baby Spotlight Lenses 2 No. 53390 Searchlight Lenses	1 Assortment

"EVEREADY" LAMPS

TWO CELL

"Eveready" No.	Bead Color	Bulb	Vol'ts	Amp.	List Price	Use with Following "Eveready" Batteries
14	Blue	G-3 1/2	2.5	0.30	\$.10	2 Nos. 935 or 950
PR-2	Blue	B-3 1/2	2.4	0.50	.14	2 No. 950
PR-4	Lt. Gr.	B-3 1/2	2.3	0.27	.14	2 No. 935
PR-6	Brown	B-3 1/2	2.5	0.30	.14	2 Nos. 935 or 950
222	White	TL-3	2.2	0.25	.10	2 No. 915

THREE CELL

No.	Bead Color	Bulb	Vol'ts	Amp.	List Price	Use with Following "Eveready" Batteries
13	Green	G-3 1/2	3.8	0.30	\$.10	3 No. 950
PR-3	Green	B-3 1/2	3.6	0.50	.14	3 No. 950
PR-7	Pink	B-3 1/2	3.8	0.30	.14	3 No. 950

FIVE CELL

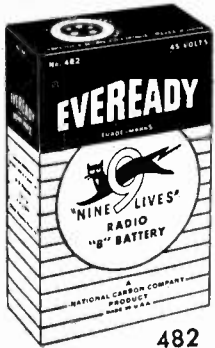
No.	Bead Color	Bulb	Vol'ts	Amp.	List Price	Use with Following "Eveready" Batteries
605	Brown	G-4 1/2	6.0	0.50	\$.11	5 No. 950
PR-12	—	B-3 1/2	6.0	0.50	.15	5 No. 950

EVEREADY

TRADE-MARK

Radio Batteries

Sell the one brand your customers will always buy—"Eveready" Radio Batteries—for fast turnover, repeat sales! Famous for fine craftsmanship and quick profits, "Eveready" Radio Batteries—portable and farm packs—equip virtually every battery-type radio in use today! Complete data describing these best-selling batteries are given on page M-9.



482



467



455



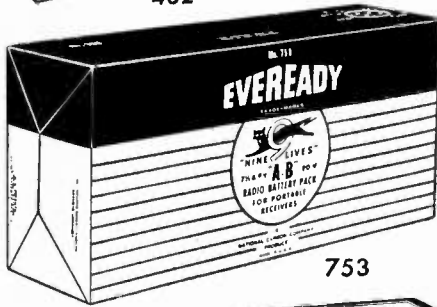
746



950



718



753



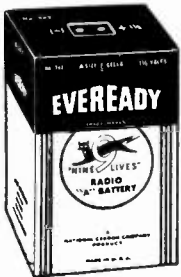
752



754



741



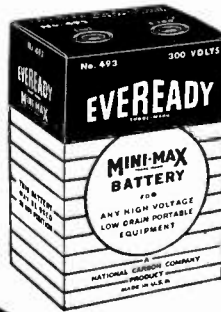
742



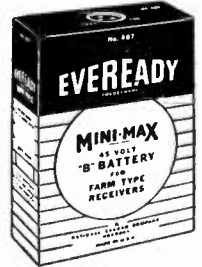
743



744



493



487



759



A-1300



490



736



740



A-2600



755



756



724



457

"EVEREADY" BATTERY SPECIFICATIONS

Catalog Number	VOLTAGE	Overall Dimensions			List Price Each	Unit Package Quantity	Weight of Unit Package in Pounds	Battery Weight	Terminals
		Length	Width	Height					
"B" BATTERIES FOR PORTABLE RECEIVERS									
455	45 Volt...	2 ²¹ / ₃₂ "	1"	3 ¹¹ / ₁₆ "	\$1.65	6	3 ¹ / ₄	8 oz.	Snap Type —, +45
457	67 ¹ / ₂ Volt...	2 ¹³ / ₁₆ "	1 ³ / ₈ "	2 ¹ / ₂ "	2.25	6	2 ¹ / ₂	7 ³ / ₈ oz.	Snap Type —, +67 ¹ / ₂
467	67 ¹ / ₂ Volt...	2 ¹³ / ₁₆ "	1 ³ / ₈ "	3 ⁴⁵ / ₆₄ "	2.25	6	4 ¹ / ₂	12 oz.	Snap Type —, +67 ¹ / ₂
482	45 Volt...	3 ¹⁹ / ₃₂ "	1 ²⁷ / ₃₂ "	5 ¹ / ₂ "	2.00	6	11 ¹ / ₂	1 lb. 14 oz.	Socket —, +45
490	90 Volt...	3 ²³ / ₃₂ "	1 ³ / ₈ "	3 ⁴⁵ / ₆₄ "	2.95	6	6 ¹ / ₂	1 lb. ¹ / ₂ oz.	Snap Type —, +90
493	300 Volt...	2 ¹ / ₁₆ "	2 ⁷ / ₃₂ "	3 ²⁹ / ₃₂ "	10.00	1	1 ¹ / ₄	1 lb. 1 oz.	Pin Jacks —, +300
738	45 Volt...	3"	2 ⁵ / ₁₆ "	4 ¹ / ₈ "	2.50	2	2 ³ / ₄	1 lb. 4 oz.	Socket —, +22 ¹ / ₂ , +45
"A" BATTERIES FOR PORTABLE RECEIVERS									
717	7 ¹ / ₂ Volt...	2 ⁷ / ₃₂ "	1 ¹⁵ / ₁₆ "	3 ¹ / ₃₂ "	\$0.95	6	3	8 ³ / ₄ oz.	Socket —, +7 ¹ / ₂
718	6 Volt...	3 ⁹ / ₁₆ "	2 ³ / ₄ "	5 ¹ / ₂ "	1.75	1	2 ³ / ₄	2 lb. 13 oz.	Socket —, +6
724	6 Volt...	1 ³ / ₃₂ "	1 ⁷ / ₃₂ "	2 ¹¹ / ₃₂ "	0.50	12	2 ¹ / ₄	2 ³ / ₈ oz.	Flashlight
736	4 ¹ / ₂ Volt...	3 ¹⁵ / ₁₆ "	1 ⁵ / ₁₆ "	4 ³ / ₃₂ "	0.75	6	6 ³ / ₄	1 lb. 1 oz.	Socket —, +4 ¹ / ₂
741	1 ¹ / ₂ Volt...	3 ⁷ / ₈ "	2 ¹¹ / ₁₆ "	5 ³ / ₈ "	1.65	1	2 ³ / ₄	2 lb. 13 oz.	Socket —, +1.5
742	1 ¹ / ₂ Volt...	2 ¹⁹ / ₃₂ "	2 ¹⁹ / ₃₂ "	4"	0.95	6	8 ¹ / ₄	1 lb. 6 oz.	Socket —, +1.5
743	1 ¹ / ₂ Volt...	3 ¹³ / ₁₆ "	2 ²¹ / ₃₂ "	4 ¹ / ₃₂ "	1.25	3	6 ¹ / ₂	2 lb. 1 oz.	Socket —, +1.5
744	6 Volt...	2 ²¹ / ₃₂ "	2 ²¹ / ₃₂ "	3 ³¹ / ₃₂ "	0.95	6	8 ³ / ₈	1 lb. 6 oz.	Socket —, +6
745	1 ¹ / ₂ Volt...	3 ⁷ / ₈ "	1 ⁷ / ₁₆ "	10 ²⁵ / ₃₂ "	1.75	2	5 ³ / ₄	2 lb. 13 oz.	Socket —, +1.5
746	4 ¹ / ₂ Volt...	3 ¹⁵ / ₁₆ "	1 ⁵ / ₁₆ "	4 ²¹ / ₃₂ "	.75	6	7 ¹ / ₂	1 lb. 4 oz.	Socket —, +4.5
747	6 Volt...	3 ⁷ / ₈ "	1 ⁷ / ₁₆ "	10 ²⁹ / ₃₂ "	1.75	2	5 ³ / ₄	2 lb. 13 oz.	Socket —, +6
950	1 ¹ / ₂ Volt...	1 ²¹ / ₆₄ "	Diam.	2 ²⁷ / ₆₄ "	0.10	48	9 ¹ / ₄	3 ¹ / ₃ oz.	Flashlight
"A-B" PACK FOR 1.4 VOLT PORTABLE RECEIVERS									
752	9 "A" 90 "B"	14 ¹ / ₁₆ "	2 ¹¹ / ₁₆ "	4 ¹ / ₁₆ "	\$5.50	1	6 ³ / ₄	6 lb. 5 oz.	Recessed Plug — "A", +9 "A", — "B", +90 "B"
753	7 ¹ / ₂ & 9 "A" 90 "B"	9 ⁷ / ₃₂ "	2 ²³ / ₃₂ "	4 ⁵ / ₁₆ "	5.50	1	5 ¹ / ₄	4 lb. 15 oz.	Socket — "A" +7 ¹ / ₂ "A", +9 "A" — "B", +90 "B"
754	7 ¹ / ₂ & 9 "A" 90 "B"	10 ¹⁵ / ₃₂ "	3 ¹ / ₄ "	4"	5.50	1	6 ¹ / ₂	6 lb. 8 oz.	Socket — "A", +7 ¹ / ₂ "A", +9 "A", — "B", +90 "B"
755	6 & 7 ¹ / ₂ "A" 75 "B"	8 ⁹ / ₁₆ "	2 ⁷ / ₁₆ "	3 ³ / ₄ "	4.50	1	3 ⁷ / ₈	3 lb. 8 oz.	Socket — "A", +6 "A", +7 ¹ / ₂ "A" — "B", +75 "B"
756	7 ¹ / ₂ "A" 90 "B"	9 ¹⁷ / ₃₂ "	2 ¹ / ₈ "	3 ²⁷ / ₃₂ "	5.50	1	4 ¹ / ₈	3 lb. 14 oz.	Socket — "A", +7 ¹ / ₂ "A", — "B", +90 "B"
"B" BATTERY FOR FARM TYPE RECEIVERS									
487	45 Volt...	5 ¹ / ₈ "	2 ¹ / ₁₆ "	7 ¹ / ₄ "	\$2.75	10	14	4 lb. 4 oz.	Socket —, +22 ¹ / ₂ , +45
"A-B" PACK FOR 1.4 VOLT FARM TYPE RECEIVERS									
758	1 ¹ / ₂ "A" 90 "B"	10 ¹¹ / ₁₆ "	4 ¹ / ₈ "	6 ¹³ / ₁₆ "	\$5.95	1	14 ³ / ₄	14 lbs. 8 oz.	Socket —, +1.5 Socket —, +90
759	1 ¹ / ₂ "A" 90 "B"	15 ¹¹ / ₁₆ "	4 ⁵ / ₃₂ "	6 ¹⁵ / ₁₆ "	\$5.95	1	18 ¹ / ₄	17 lb. 6 oz.	Socket —, +1.5 Socket —, +90
"AIR CELL" "A" BATTERIES FOR 2 VOLT RECEIVERS									
A-2600	2 ¹ / ₂ Volt...	9 ²⁹ / ₃₂ "	6 ¹⁹ / ₃₂ "	11 ³ / ₁₆ "	\$10.95	1	24	21 lb. 5 oz.	Screw —, +2.5
SA-2600	2 ¹ / ₂ Volt...	9 ²⁹ / ₃₂ "	6 ¹⁹ / ₃₂ "	11 ³ / ₁₆ "	12.10	1	24	21 lb. 5 oz.	Screw —, +2.5
A-2300	2 ¹ / ₂ Volt...	8 ¹ / ₄ "	5 ⁵ / ₁₆ "	8 ⁵ / ₈ "	8.50	1	12 ¹ / ₂	11 lb.	Screw —, +2.5
"A" BATTERIES FOR 1.4 VOLT RECEIVERS									
*A-1300	1 ¹ / ₄ Volt...	5 ⁵ / ₁₆ "	4 ¹¹ / ₃₂ "	8 ⁵ / ₈ "	\$4.85	1	7	5 lb. 13 ¹ / ₂ oz.	Socket —, +1.25
740	1 ¹ / ₂ Volt...	4 ¹⁹ / ₃₂ "	3 ⁷ / ₈ "	7 ³ / ₄ "	3.95	1	6 ¹ / ₄	6 lb. 4 oz.	Socket —, +1.5

EVEREADY

TRADE-MARK

Dry Batteries

Illustrated below are "Eveready" Dry Batteries, known for dependable and long service. Information describing famous "Eveready" Dry Batteries is given with each illustration.



"EVEREADY" "IGNITOR" DRY CELL NO. 6 —

For extra long life and heavy service in all Dry Cell applications. Its exceptionally high quality and recuperative powers have made the "Eveready" "Ignitor" dry cell famous for ignition, radio, bells, buzzers, electric games, toys, lanterns and other battery operated devices.

"EVEREADY" R.R. AND INDUSTRIAL NO. 6 —

Especially designed for Railroad and Industrial use where a wide range of service conditions, from extremely heavy to extremely light are encountered.

"EVEREADY" "COLUMBIA" "GRAY LABEL" TELEPHONE CELL NO. 6 — Especially designed for telephone service. Noted for its long life on light drain service.

Brand and Type	Jacket	Voltage	Overall Dimensions In Inches		Quantity in Standard Package	Approx. Wt. of Std. Pkg. in Pounds	List Price Each	†P. C. List Price Each
			Diameter	Height				
Eveready "Ignitor" No. 6	Round	1½	2⅝	6⅝	12	27	\$0.70	\$0.75
Eveready R.R. and Industrial No. 6	Round	1½	2⅝	6⅝	12	28	0.75	0.80
Eveready "Columbia" "Gray Label" Telephone Cell No. 6	Round	1½	2⅝	6⅝	12	26	0.65	0.70

*Equipped with screw terminals unless Fahnestock spring terminals are specified.

**Equipped with Fahnestock spring terminals unless screw terminals are specified.

"EVEREADY" "HOT SHOT" BATTERIES —

For all purposes requiring four or more dry cells in series. Particularly adapted for electric fences, gas engines (tractors, motor boats, etc.), blasting, fire and burglar alarms, gongs, bells, annunciators, signals, lights for closets, out-houses, camps,

boats, searchlights, etc.

"Eveready" "Hot Shot" Batteries are composed of specially selected cells. Internal connections are securely soldered and the cells are completely insulated against accidental short circuits. Terminals are insulated.

Brand and Type	Voltage	Overall Dimensions In Inches			Quantity in Standard Package	Approx. Wt. of Std. Pkg. in Pounds	List Price Each	†P. C. List Price Each
		Length	Width	Height				
"Eveready" No. 1461	6	10⅝	2¾	7¼	6	59	\$3.35	\$3.65
"Eveready" No. 1462	6	5⅝	5⅝	7¼	4	41	3.35	3.65
"Eveready" No. 1562	7½	7⅝	5	7¼	4	52	4.35	4.75
"Eveready" No. 1662	9	7⅝	5¼	7¼	4	62	4.95	5.40

Standard Packages Contain One Type of 6-Inch Dry Cell or "Hot Shot" Battery Only.

be sure with



GENERAL

DRY BATTERIES

GENERAL dry batteries contain many outstanding advancements such as extra heavy seamless extruded zinc cups, the famous paper thin separator permitting more mix and more active zinc area by utilization of the cell bottom, the curled rim lock seal which seals each cell individually. These features, found only in Generals, assure long shelf life as well as the maximum in dry battery performance.

GENERAL A & B RADIO FARM PACKS

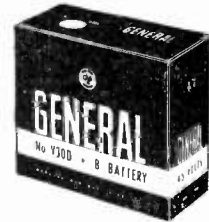
General A-B packs are made with L size cells in the A section. These cells are 40% longer than the largest conventional 1 1/4" diameter cell. This construction assures the perfect balance between these "A" and "B" sections for current drains established by the Radio Industry.



Type	Voltage	Standard Package	Pkg. Lbs. Weight	Interchangeable With			Price		
				Eveready	Burgess	Ray-O-Vac	East	Pacific Coast	
60DL11L	1 1/2-90	1	24.5	759	17GD60	AB82	\$ 7.95	\$ 8.25	
Z60D12L	1 1/2-90	1	24	—	18GD60	—	7.95	8.25	
60D12L6	9-90	1	24	—	3G6D60	AB982	8.25	8.55	
60B6L	1 1/2-90	4	39	758	—	AB85	5.95	5.95	
90FL6D	135-9C	1	45	—	F90-D6	P8960	10.50	11.11	

GENERAL ABC HOME RADIO BATTERIES

All cells used in General batteries are filled with active mix by loading equipment developed by General which automatically puts the right amount of mix into each cell and packs it uniformly. General home radio batteries are accepted for their uniformity, dependability and long service.



Type	Voltage	Standard Package	Pkg. Lbs. Weight	Interchangeable With			Price		
				Eveready	Burgess	Ray-O-Vac	East	Pacific Coast	
I2L1L	1 1/2	4	34	740	20F	P9203	\$3.30	\$3.30	
I2L1S	1 1/2	4	34	A1300	19G	P168A	3.30	3.30	
P24L2	3	1	17	X125	20F2	P9403	4.73	5.15	
5H5	7 1/2	4	8.6	687	G5	P85A	1.25	1.25	
V30D	45	6	45	—	2308	P5233	2.45	2.45	
V30DL	45	6	51	487	—	—	2.55	2.55	
V30F	45	6	68	—	10308	P5933	2.95	3.13	
V30FL	45	3	39	—	21308	P9303	3.40	3.60	
H3D	4 1/2	10	7.5	X771	2370PI	P231W	.85	.85	
H3BS	4 1/2	10	3	781	5360	531R	.50	.50	
V5B	7 1/2	10	6.3	773	5540	551	.95	.95	
H15B5	22 1/2	10	15.4	768	5156PI	P5151	1.95	1.95	
H15B	22 1/2	10	15.4	778	5156SC	—	2.00	2.00	
H15A	22 1/2	10	10	763	4156	4151	1.95	1.95	

GENERAL PORTABLE A & B PACKS

The small size cells used in portable batteries greatly reflect the benefits derived from General's patented construction. General Batteries deliver more service hours per dollar, therefore you will find them used as original equipment in more battery radios than any other brand.



Type	Voltage	Standard Package	Pkg. Lbs. Weight	Interchangeable With			Price
				Eveready	Burgess	Ray-O-Vac	
40CW2CF	1 1/2-60	6	8.7	—	—	—	\$3.00
41A4FL	1 1/2-61 1/2	6	25.5	—	—	—	4.25
60A2L	1 1/2-90	1	5	—	4GMA41	AB419	5.95
60A4L	1 1/2-90	6	38.5	—	5DMA60	—	5.95
42A5G5	7 1/2-63	6	30	—	6FMA60	AB84	4.70
291	7 1/2-9-90	1	6.5	754	5GMA42	AB794	5.95
60A4F4	6-90	6	33.5	—	G6M60	AB878	5.95
60A6F6-5	7 1/2-9-90	1	6	753	2F4A60	AB694	5.95
362	7 1/2-9-90	6	24	756	F6A60	AB994	5.95
Z50B4H4	6-75	1	7	—	T5Z60	—	5.95
Z60B6H6	9-90	1	89	752	G4850	AB670	5.00
					G6B60	AB677	5.95

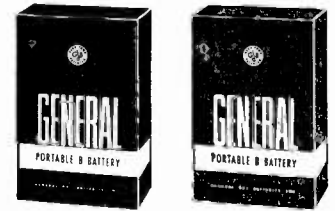
GENERAL PORTABLE A BATTERIES

Type	Voltage	Pkg. Weight		Interchangeable With			Price
		Std. Pkg.	Lbs. Weight	Eveready	Burgess	Ray-O-Vac	
D	1 1/2 Radio A	50	12	—	—	—	\$0.125
4F1	1 1/2	6	9	742	4F	P94A	.95
6F1	1 1/2	6	13	743	6F	P96A	1.30
8F1	1 1/2	6	17.4	741	8F	P98A	1.65
3L1	1 1/2	6	11.4	745	4FL	P94L	.80
3H3	4 1/2	6	8	746	G3	P83A	.80
4F4	6	6	9	744	F4P1	P694A	.95
8F4	6	6	17.4	718	2F4	P698A	1.75



GENERAL PORTABLE B BATTERIES

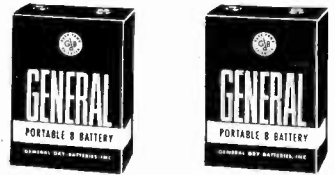
Type	Voltage	Std. Pkg. Lbs.		Interchangeable With			Price
		Pkg.	Weight	Eveready	Burgess	Ray-O-Vac	
V30A	45	6	11.4	—	A30	P430	\$2.35
F30A	45	6	11.4	—	A30X	BB30P	2.35
V30B	45	6	17	—	B30	P5303	2.35
V30AA	45	6	9	738	Z30	P7R30	2.60
V30AA2	45	6	9	—	Z30N	—	2.60
W30B	45	6	12	482	M30	P7830	2.35



GENERAL "DuroMite" BATTERIES

New General DuroMite batteries are the finest in battery design and assembly. Thin, well-balanced flat cells are stacked like a roll of wafers. Each stack of cells sealed in its own plastic case, keeping the cells fresh until put in use. Maximum service life can be obtained from minimum of space used.

Type	Voltage	Std. Pkg. Lbs.		Interchangeable With			Price
		Pkg.	Weight	Eveready	Burgess	Ray-O-Vac	
W45A	67 1/2	12	10	467	XX45	4367	\$2.45
W30A	45	12	7	455	XX30	P3A30	1.75
W60A	90	12	13.5	490	—	—	3.25



GENERAL "Leakproof" & LANTERN BATTERIES

The New General "Leakproof" flashlight cell comes to the market to fulfill the demand of practically every user. This demand is for extra long service, years of shelf life and protection against corrosion damage. The Industrial cell is recommended when light is needed frequently and for long periods.

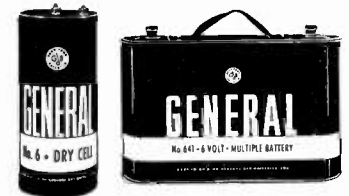
Type	Voltage	Std. Pkg. Lbs.		Interchangeable With			Price
		Pkg.	Weight	Eveready	Burgess	Ray-O-Vac	
C	1 1/2	72	8	935	1	1LP	\$0.10
DLP	1 1/2	240	59	—	—	2LP	.10
D	1 1/2	240	57	950	2	—	.10
D Industrial	1 1/2	250	59.5	1050	# 2 Ind	2111	.10
AA	1 1/2	180	8	915	Z	7-R	.07 1/2
V4F Lantern	6	10	15.8	409	F4H	941	.80
4FB Bicycle	6	10	15.5	—	—	—	1.20



GENERAL IGNITION & ELECTRIC FENCE BATTERIES

All General batteries are designed to use the most efficient cells available. The 641 is made with 12 L cells and this construction has proven to produce exceptional performance when used on Electric Fence controls and other ignition applications.

Type	Voltage	Std. Pkg. Lbs.		Interchangeable With			Price	
		Pkg.	Weight	Eveready	Burgess	Ray-O-Vac	East	Pacific Ct.
# 6	1 1/2	24	60	# 6 lg	—	# 6 lg	.70	\$0.75
# 6 Tele	1 1/2	24	60	# 6 Co.	—	# 6 Tele	.70	.75
641 Multiple	6	6	54	1461	—	641	3.35	3.75



We manufacture all types of Hearing Aid and Model Airplane batteries. Write for particulars.

GENERAL DRY BATTERIES, INC.

MAIN OFFICES AND FACTORY • 13000 ATHENS AVE., CLEVELAND, OHIO

FACTORIES • DUBUQUE, IA. • MEMPHIS, TENN. • TORONTO, ONT.

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PORTABLE RADIO BATTERIES



2R



P-694A



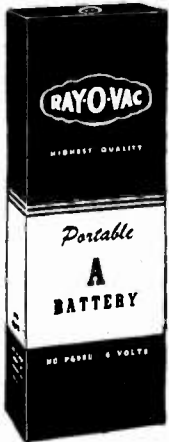
P-698A



P-94A



P-83A



P-698L



P-96A



AB-994



AB-995



AB-878



AB-85



P-7830



P-5303



P-430



4367

Turn page for more RAY-O-VAC Batteries and Specifications →



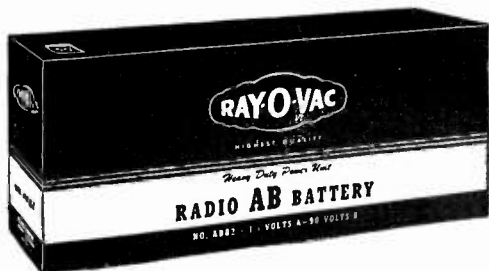
FARM RADIO BATTERIES



P-9403



P-9203



AB-82



P-2303



P-9303

SPECIFICATIONS

PORTABLE "A" BATTERIES

Catalog No.	Voltage and Type	Dimensions in Inches		Terminals	Standard Pkg.		List Price Ea.	
					Ouan.	Wt.	EC	PC
P694A	6A	2 ⁹ / ₁₆	x 2 ⁹ / ₁₆ x 4 ¹ / ₈	2 Hole Socket	6	8 ¹ / ₂		\$0.95
*P698A	6A	3 ⁷ / ₈	x 2 ¹³ / ₁₆ x 5 ¹ / ₂	2 Hole Socket	6	16		1.80
P94A	1 ¹ / ₂ A	2 ⁵ / ₈	x 2 ⁵ / ₈ x 4 ¹ / ₁₆	2 Hole Socket	6	8		.90
P83A	4 ¹ / ₂ A	4	x 1 ³ / ₈ x 4 ¹¹ / ₁₆	2 Hole Socket	6	6 ³ / ₄		.75
P698L	6A	3 ⁷ / ₈	x 1 ⁷ / ₁₆ x 10 ³ / ₄	2 Hole Socket	6	16		1.80
P96A	1 ¹ / ₂ A	3 ¹⁵ / ₁₆	x 2 ⁵ / ₈ x 4 ¹ / ₈	2 Hole Socket	4	8		1.25

PORTABLE "AB" BATTERIES

AB994	7 ¹ / ₂ or 9A-90B	9 ⁵ / ₈	x 2 ⁷ / ₈ x 4 ¹ / ₂	Standard 8 Hole Socket	6	35		5.25
AB995	9A-90B	13 ⁵ / ₈	x 2 ⁷ / ₈ x 4 ⁵ / ₈	Recessed 4 Pr. Male Plug	6	49		5.35
AB878	7 ¹ / ₂ or 9A-90B	10 ⁵ / ₈	x 3 ⁷ / ₁₆ x 4 ¹ / ₈	Standard 8 Hole Socket	6	44		5.45

PORTABLE "B" BATTERIES

P7830	45B	3 ⁹ / ₁₆	x 1 ¹³ / ₁₆ x 5 ¹ / ₂	Combination B Socket	6	13		2.15
P5303	45B	4 ¹ / ₈	x 2 ⁵ / ₈ x 5 ⁵ / ₁₆	Combination B Socket	6	16		2.15
P430	45B	3 ⁷ / ₁₆	x 2 ¹ / ₄ x 4 ¹ / ₂	Combination B Socket	6	10 ¹ / ₄		2.30
4367	67 ¹ / ₂ B	2 ⁵ / ₈	x 1 ⁵ / ₁₆ x 3 ³ / ₈	2 Snap Fasteners	12			2.45

FARM "A" BATTERIES

P9403	3A	11 ¹¹ / ₁₆	x 4 x 5 ¹⁵ / ₁₆	2 Hole Socket	1	14	4.90	\$5.15
P9203	1 ¹ / ₂ A	7 ¹¹ / ₁₆	x 2 ¹³ / ₁₆ x 7	2 Hole Socket	6	42 ¹ / ₂	3.30	3.30

FARM "AB" BATTERIES

AB85	1 ¹ / ₂ A-90B	10 ¹³ / ₁₆	x 2 ³ / ₄ x 6 ³ / ₈	4 Hole Socket	6	53 ¹ / ₂	5.70	6.00
AB82	1 ¹ / ₂ A-90B	15 ³ / ₄	x 4 ¹ / ₈ x 6 ³ / ₄	4 Hole Socket	1	21	7.50	7.80

FARM "B" BATTERIES

P9303	45B	8 ¹ / ₁₆	x 4 ⁵ / ₁₆ x 7 ³ / ₁₆	3 Hole Socket	4	45	2.93	3.14
P2303	45B	8 ¹ / ₁₆	x 3 ³ / ₁₆ x 7 ³ / ₁₆	3 Hole Socket	6	46	2.40	2.40

FARM "C" BATTERIES

*P231W	4 ¹ / ₂ C	4 ¹ / ₁₆	x 1 ⁷ / ₁₆ x 3 ¹ / ₁₆	3 Hole Socket	10	7 ¹ / ₄		.75
* 531R	4 ¹ / ₂ C	2 ³ / ₈	x 1 ³ / ₁₆ x 2 ⁹ / ₁₆	Screw	10	3		.63
* 551	7 ¹ / ₂ C	3 ¹⁵ / ₁₆	x 7 ³ / ₈ x 2 ¹³ / ₁₆	5 Screw 1 Pigtail	10	6		1.10
*P5151	22 ¹ / ₂ B or C	4	x 2 ¹ / ₄ x 3	5 Hole Socket	6	8		1.70

*Indicates special battery types made on order only and not carried in stock.



P-5151



551



531R



P-231W

DESCRIPTIVE CATALOG OF RADIO BATTERIES



*OPEN
and see for
yourself!*

*WITH NEW
INTERLOCKED
FLAT CELL
"B" Batteries
that give...
MUCH LONGER
HI-VOLTAGE
LIFE!!!*



**CORRECT SERVICE
For 3 Major Markets**

● PERSONAL ● PORTABLE - ● FARM

OLIN INDUSTRIES, INC.

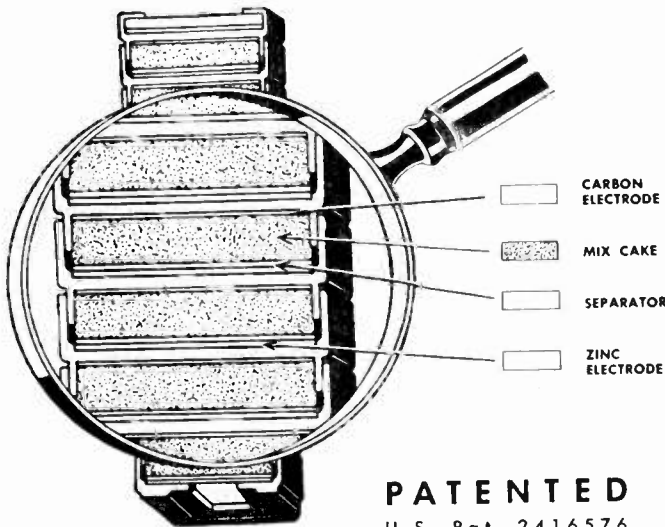
Electrical Division, New Haven, Conn. and Branches

LATEST DEVELOPMENT IN

POWER!

ONLY OLIN "B" BATTERIES HAVE THIS
NEW INTERLOCKED FLAT CELL CONSTRUCTION

ALREADY STANDARD EQUIPMENT WITH 15 RADIO SET MANUFACTURERS



PATENTED
U. S. Pat. 2416576

EXCLUSIVE

NOTE:

OLIN Interlocked flat cells have no waste space and hold more power producing chemicals than previous conventional "B" battery assemblies.

Result:

LONGER HI-VOLTAGE LIFE!



Catalog Number	Dimensions H x W x D	Std Pkg	Std Pkg Wgt	Dir Unit Canton	Bond	Comparative Numbers				
						Burgess	Eveready	Roy-O-Vac	RCA	
"B" BATTERIES	1710 - 67-1 2 Volt "B"	3-11/16" x 2-3/4" x 1-3/8"	12	10-1/2	6	1710	XX45	467	4367	VS016
	1712 - 67-1 2 Volt "B"	2-5 16" x 2-11/16" x 1-5/16"	24	12	6	1712		457		
	1713 - 90 Volt "B"	3-23 32" x 1-3/8" x 3-11/16"	6	6	6	1713		490		
	6211 - 45 Volt "B"	3-5 8" x 2-5/8" x 15/16"	12	6-1 2	6	6211	XX30	455		VS055
"A" BATTERIES	3816 - 4-1/2 Volt "A"	3-15/16" x 1-5/16" x 4"	10	11	10	3816		736		
	4919 - 6 Volt "A"	2-11/32" x 1-5/32" x 1-5/32"	24	4-1 2	12	4919		724		
	1511 - 1-1 2 Volt "A"	2-1/4" x 1-1/4"	480	107	48	102	2	950	2LP	VS036
	1311 - 1-1 2 Volt "A"	1-13/16" x 15/16"	60	7	12	101	1	935	1LP	VS033



Catalog Number	Dimensions H x W x D	Std Pkg	Std Pkg Wgt	Dir Unit Canton	Bond	Comparative Numbers				
						Burgess	Eveready	Roy-O-Vac	RCA	
"B"	6210 - 45 Volt "B" with new interlocked flat cells	5-1/2" x 3-1/2" x 1-3/4"	6	11	6	6210	M30	482	P7830	VS013
"A" BATTERIES	4918 - 4-1/2 Volt "A" correct for 249 Portable Radios	4-11/16" x 3-7/8" x 1-5/16"	10	13	10	4918	G3	746	P83A	VS002
	4816 - 1-1/2 Volt "A" correct for 224 Portable Radios	4" x 2-9/6" x 2-9/16"	10	15	10	4816	4F	742	P94A	VS004
	4819 - 1-1/2 Volt "A" correct for 143 Portable Radios	5-5/16" x 3-11/16" x 2-9/16"	6	18	6	4819	8F	741	P98A	
	4815 - 6 Volt "A" correct for 98 Portable Radios	3-13/16" x 10-13/16" x 1-3/8"	6	20	6	4815	2F4L	747	P698L	VS011
	4814 - 1-1/2 Volt "A" correct for 83 Portable Radios	4" x 3-13/16" x 2-9/16"	6	13	6	4814	6F	743	P96A	VS007
	4914 - 6 Volt "A"	4" x 2-9/16" x 2-9/16"	10	15	10	4914	F4PI	744	P694A	VS009
	4817 - 6 Volt "A"	5-9/16" x 3-13/16" x 2-11/16"	10	30	10	4817	2F4	718	P698A	VS010
	4813 - 1-1/2 Volt "A"	3-13/16" x 10-13/16" x 1-3/8"	6	20	6	4813	8FL	745	P98L	VS008



SEE
REVERSE
SIDE
FOR
COMPLETE
LISTING
OF
RADIO
BATTERIES

BATTERY COMPARATIVE GUIDE CHART

PORTABLE

WINCHESTER OLIN	BOND (old)	BURGESS	EVE-READY	GENERAL	PHILCO	RAY-O-VAC	R.C.A.	SEARS	WARD	WILLARD	ZENITH	BOND OLIN
0513				60B6L	P60B6L	AB85	VS021	06303	A59M	60B6L		0513
0614		F6A60	753	60A6F6 5	P841A	AB994	VS019		A33	60A6F6/5	P841A	0614
0615		G6M60	754	60B6F6 5		AB878	VS018		A35M	60B6F6/5		0615
0616		G6-B60	752	Z60B6F6	P60B6F6	AB995	VS047	6401		WZ-3	Z985	0616
0616W			752W								Z985X	0616W
1311	101	1	935	C	C	1LP	VS033	4659	A3258	C	Z1NL	101
1511	102	2	950	D	D	2LP	VS036	4650	A3259	D	Z2NL	102
1710	1720	XX45	467	W45A	P67	4367	VS056	6480	A43	WBM-2	Z45	1710
1712			457	For new Emerson personal portable No. 558, No. 584								1712
1713			490	For new Emerson personal portable No. 559, No. 560								1713
3816			736	For new Emerson personal portable No. 559, No. 560								3816
4813	4823	8FL	745	BCF1		P98L	VS008					4813
4814	4824	6F	743	6F1		P96A	VS007	6431		6F1	Z96	4814
4815	4825	2F4L	747	8CF4		P698L	VS011	6452			Z69BL	4815
4816	4826	4F	742	4F1	P94	P94A	VS004	6430	A21	4F1	Z94	4816
4817	4827	2F4	718	BF4		P698A	VS010	6450		WA4-1		4817
4819	4829	BF	741	BF1	P8F1	P98A				BF1		4819
4914		F4PI	744	4F4		P694A	VS009	6451	A28			4914
4918	4928	G-3	746	3H3	P100	P83A	VS002	6440	A24	WA3-1	Z83A	4918
4919			724	For new Emerson personal portable No. 558, No. 584								4919
6210	6220	M30	482	W30B	P45	P7830	VS013	6461	A42	WBM-1	Z783	6210
6211		XX30	455	W30A			VS055					6211

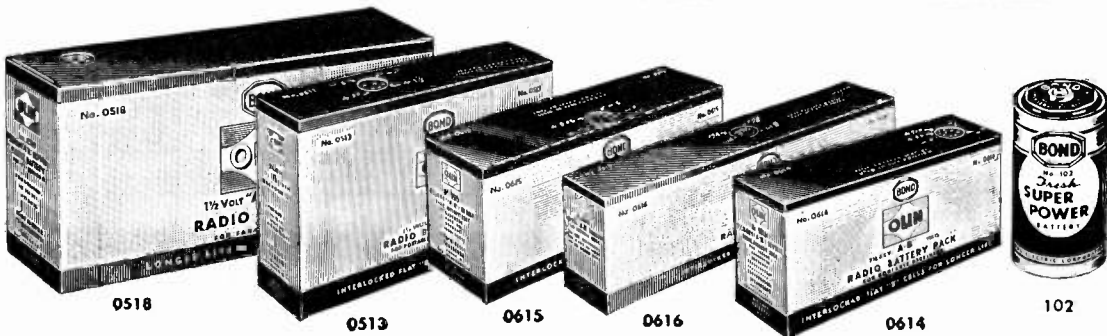
FARM AND CONSOLE RECEIVERS

0511		18GD60		Z60D12L			VS045	06309			Z28	0511
0512		3GLD60		E60D12L6		AB982			A54M		Z334	0512
0513				60B6L	P60B6L	AB85	VS021	06303	A59M	60B6L		0513
0518	0528	17GD60	758	60DL11L	P60D11L	AB82	VS022	06302	A57M	60DL-11L	Z802	0518
3217	317	5360	781	H3B		531R	VS028			H3B		3217
3516	312	2370PI	771	H3D	P3D	P231W	VS030	5005	A83	H3D		3516
5216	1517	5156	768	H15B	P15B	P5151	VS031	6390	A84	H15B		5216
5216-B	1519	5156	778	H15B8		5151	VS131					5216-B
5218	517	5540	773	V5B	P5B	551	VS029			V5B		5218

	Catalog Number	Dimensions H x W x D	Std Pkg	Std Pkg Wgt	Dir Unit Carton	Win chester	Comparative Numbers			
							Burgess	Eveready	Ray-O-Vac	RCA
"B" BATTERIES	1710 - 67-1 2 Volt "B"	3-11/16" x 2-3/4" x 1-3/8"	12	10-1 2	6	1710	XX45	467	4367	VS016
	1712 - 67-1 2 Volt "B"	2-5 16" x 2-11/16" x 1-5/16"	24	12	6	1712		457		
	1713 - 90 Volt "B"	3-23 32" x 1-3/8" x 3-11/16"	6	6	6	1713		490		
	6211 - 45 Volt "B"	3-5 8" x 2-5/8" x 15/16"	12	6-1 2	6	6211	XX30	455		VS055
"A" BATTERIES	3816 - 4-1/2 Volt "A"	3-15/16" x 1-5/16" x 4"	10	11	10	3816		736		
	4919 - 6 Volt "A"	2-11/32" x 1-5/32" x 1-5/32"	24	4-1 2	12	4919		724		
	102 - 1-1 2 Volt "A"	2-1/4" x 1-1/4"	480	107	48	1511	2	950	2LP	VS036
	101 - 1-1 2 Volt "A"	1-13/16" x 15/16"	60	7	12	1311	1	935	1LP	VS033



	Catalog Number	Dimensions H x W x D	Std Pkg	Std Pkg Wgt	Dir Unit Carton	Win chester	Comparative Numbers			
							Burgess	Eveready	Ray-O-Vac	RCA
"B"	6210 - 45 Volt "B" with new interlocked flat cells	5-1/2" x 3-1/2" x 1-3/4"	6	11	6	6210	M30	482	P7830	VS013
"A"	4918 - 4-1/2 Volt "A" correct for 249 Portable Radios	4-11/16" x 3-7/8" x 1-5/16"	10	13	10	4918	G3	746	P83A	VS002
B A T T E R I E S	4816 - 1-1/2 Volt "A" correct for 224 Portable Radios	4" x 2-9/16" x 2-9/16"	10	15	10	4816	4F	742	P94A	VS004
	4819 - 1-1/2 Volt "A" correct for 143 Portable Radios	5-5/16" x 3-11/16" x 2-9/16"	6	18	6	4819	8F	741	P98A	
	4815 - 6 Volt "A" correct for 98 Portable Radios	3-13/16" x 10-13/16" x 1-3/8"	6	20	6	4815	2F4L	747	P698L	VS011
	4814 - 1-1/2 Volt "A" correct for 83 Portable Radios	4" x 3-13/16" x 2-9/16"	6	13	6	4814	6F	743	P96A	VS007
	4914 - 6 Volt "A"	4" x 2-9/16" x 2-9/16"	10	15	10	4914	F4PI	744	P694A	VS009
	4817 - 6 Volt "A"	5-9/16" x 3-13/16" x 2-11/16"	10	30	10	4817	2F4	718	P698A	VS010
S	4813 - 1-1/2 Volt "A"	3-13/16" x 10-13/16" x 1-3/8"	6	20	6	4813	8FL	745	P98L	VS008



SEE
REVERSE
SIDE
FOR
COMPLETE
LISTING
OF
RADIO
BATTERIES

BATTERY COMPARATIVE GUIDE CHART

PORTABLE

BOND OLIN	BOND (old)	BURGESS	EVE-READY	GENERAL	PHILCO	RAY-O-VAC	R.C.A.	SEARS	WARD	WILLARD	ZENITH	WIN-OLIN
0513				60B6L	P60B6L	AB85	VS021	06303	A59M	60B6L		0513
0614		F6A60	753	60A6F6 5	P841A	AB994	VS019		A33	60A6F6/5	P841A	0614
0615		G6M60	754	60B6F6 5		AB87B	VS018		A35M	60B6F6/5		0615
0616		G6-860	752	Z60B6F6	P60B6F6	AB995	VS047	6401		WZ-3	Z985	0616
0616W			752W								Z985X	0616W
101	101	1	935	C	C	1LP	VS033	4659	A3258	C	Z1NL	1311
102	102	2	950	D	D	2LP	VS036	4650	A3259	D	Z2NL	1511
1710	1720	XX45	467	W45A	P67	4367	VS056	6480	A43	WBM-2	Z45	1710
1712			457	For new Emerson personal portable No. 558, No. 584								1712
1713			490	for new Emerson personal portable No. 559, No. 560								1713
3816			736	For new Emerson personal portable No. 559, No. 560								3816
4813	4823	8FL	745	BCF1		P98L	VS008					4813
4814	4824	6F	743	6F1		P96A	VS007	6431		6F1	Z96	4814
4815	4825	2F4L	747	BCF4		P698L	VS011	6452			Z698L	4815
4816	4826	4F	742	4F1	P94	P94A	VS004	6430	A21	4F1	Z94	4816
4817	4827	2F4	718	8F4		P698A	VS010	6450		WA4-1		4817
4819	4829	8F	741	8F1	P8F1	P98A				8F1		4819
4914		F4PI	744	4F4		P694A	VS009	6451	A28			4914
4918	4928	G-3	746	3H3	P100	P83A	VS002	6440	A24	WA3-1	Z83A	4918
4919			714	For new Emerson personal portable No. 558, No. 584								4919
6210	6220	M30	482	W30B	P45	P7830	VS013	6461	A42	WBM-1	Z783	6210
6211		XX30	455	W30A			VS055					6211

FARM AND CONSOLE RECEIVERS

0511		18G060		Z60D12L			VS045	06309			Z28	0511
0512		3G6D60		E60D12L6		AB982			A54M		Z334	0512
0513				60B6L	P60B6L	AB85	VS021	06303	A59M	60B6L		0513
0518	0528	17GD60	758	60DL11L	P60D11L	AB82	VS022	06302	A57M	60DL-11L	Z802	0518
3217	317	5360	781	H3B		531R	VS028			H3B		3217
3516	312	2370PI	771	H3D	P3D	P231W	VS030	5005	A83	H3D		3516
5216	1517	5156	768	H15B	P15B	P5151	VS031	6390	A84	H15B		5216
5216-8	1519	5156	778	H15BB		5151	VS131					5216-8
5218	517	5540	773	V5B	P5B	551	VS029			V5B		5218

Mueller Electric Co.

CLEVELAND, OHIO

MUELLER BATTERY AND TEST CLIPS

U.S. PATENTS: 1,521,903; 1,686,842; 1,779,442; 1,794,976; 1,965,151; 1,994,251; 1,999,613; 2,074,324; 2,136,814; 2,416,113.

For use in making quick, temporary electrical connections. Packed 10 in a box, half marked + half plain to indicate polarity. Screw connections



No. 45 PEE WEE

A very small test clip for radio, ignition, meter and similar work. 1 1/2" long. Jaw spread 3/8". Steel, cadmium plated.

EACH NET.....\$0.07 LOTS OF 10.....\$0.045



No. 45-C Clip No. 47 Insulator

Solid Copper R.F. Test Clip

Solid copper radio frequency test clip. Phosphor bronze spring, brass screw. Will not heat up in high frequency test work, entirely non-ferrous. 1 1/2" long.

EACH NET.....\$0.10 LOTS OF 10.....\$0.07

Use No. 47 Insulator for clips 45 and 45-C.



No. 48-B

A small test and battery clip for radio use and general testing purposes. 2" long. Jaw spread 1/2". Steel, cadmium plated.

EACH NET.....\$0.07 LOTS OF 10.....\$0.05

No. 48C—Solid Copper. Same size as 48-B.
EACH NET.....\$0.12 LOTS OF 10.....\$0.085



No. 82 Needle Clip

Needle pierces insulated wire. Ideal for quick hookup of truck trailer lighting systems, telephone and signal work. Steel, cadmium plated. 2" long.

EACH NET.....\$0.15 LOTS OF 10.....\$0.10

Use No. 49 Insulator for Clips 48-B, 48-C and 82.



No. 22 Twin-Clip

Jaws on both ends. Great time-saver in test work. Used to hold or rack articles for display or processing. 2" long. Steel cadmium plated.

EACH NET.....\$0.10 LOTS OF 10.....\$0.07



No. 27

A high grade test clip with meshing teeth on three sides of jaws. For laboratory and shop test work 2 1/8" long. Jaw spread 5/8". Steel, cadmium plated.

EACH NET.....\$0.10 LOTS OF 10.....\$0.07

No. 27-C—Solid copper. Same size as No. 27.
EACH NET.....\$0.18 LOTS OF 10.....\$0.125

Use No. 29 Insulator for clips 27 and 27-C.



No. 24-A

A medium sized battery clip. Stands erect on battery post. Lead coated, copper shunt protects spring. 2 3/8" long. Jaw spread 1". Steel, lead plated.

EACH NET.....\$0.14 LOTS OF 10.....\$0.095

No. 24—Solid copper. Same size as No. 24-A.
EACH NET.....\$0.25 LOTS OF 10.....\$0.18

Use No. 26 Insulator for Clips 24-A and 24.

LARGER SIZES OF CLIPS

No.	Description	Each Net	Lots of 10
No. 21-A	Heavy Duty Steel, lead plated, 4" long	\$0.21	\$0.15
No. 21	100 Amp. Solid Copper, 4 1/2" long	.61	.43
No. 11A	100 Amp. Steel, lead plated, 6" long	.75	.53
No. 11	200 Amp. Solid copper, 6" long	1.17	.82
No. 33	300 Amp. Solid copper, 7 3/4" long	2.00	1.40

(Above furnished with lug connections.)

FLEXIBLE INSULATORS FOR CLIPS



A convenient protection against short circuit and electric shock. Packed 10 in a box, 5 red and 5 black to indicate polarity. Long tail prevents breakage of wire. Constructed so that clip is held in firmly.

CROCODILE CLIPS

U.S. Patent No. 1,999,613



No. 85 or 85-C Clip with No. 87 Insulator

No. 85—A very small clip with slender, elongated jaws for getting into tight places in radio or electrical test work. Screw connection. 2 3/8" long.

EACH NET.....\$0.08 LOTS OF 10.....\$0.05

No. 85-C—Same as No. 85, except solid copper. A radio frequency, entirely non-ferrous test clip.

EACH NET.....\$0.11 LOTS OF 10.....\$0.08

No. 85-T—New Crocodile "Tip-Clip"—equipped with standard phone tip on one jaw, otherwise same as No. 85. Ideal for use as a prod, for ordinary clip connections and for connections to insulated binding posts having non-removable heads. 2 5/8" long.

EACH NET.....\$0.16 LOTS OF 10.....\$0.11

Use No. 87 Insulators for clips 85, 85-C and 85-T. Red and Black. Cover entire clip except nose. Protects against short and shock. Helps to distinguish leads.



No. 85-T Clip

ALLIGATOR CLIPS

No. 60—CONVENTIONAL TYPE

Accurately made, slim jaws, fine meshing teeth. Convenient, round thumb grip, barrel connection for banana plug. Equipped with small soldering lip. Strong spring with a hard bite. Cadmium plated. 2" long.

EACH NET.....\$0.07 LOTS OF 10.....\$0.045



No. 60—SCREW CONNECTION

Eliminates necessity for soldering. Otherwise same as No. 60.

EACH NET \$0.08 LOTS OF 10 \$0.05



No. 60-CS—COPPER R.F. ALLIGATOR CLIP

Same as No. 60-S except made of solid copper. Has brass screw connection. Ideal for R.F. work. Will not heat up in H.F. circuits. Bright, natural copper finish. 2" long.

EACH NET.....\$0.11 LOTS OF 10.....\$0.08



No. 60-HS—STEEL ALLIGATOR CLIP WITH INSULATED HANDLE

Same as No. 60-S except equipped with red and black insulating sleeves on end. Very convenient for distinguishing leads. Has screw connection also. Cadmium plated. 2 1/4" long.

EACH NET.....\$0.11 LOTS OF 10.....\$0.08



No. 60-CHS—COPPER ALLIGATOR CLIP WITH INSULATED HANDLE

Same as No. 60-CS except equipped with red and black insulating sleeves on end. Brass screw connection, for R.F. work. 2 1/4" long.

EACH NET.....\$0.15 LOTS OF 10.....\$0.10



WEE-PEE-WEE No. 88

Entirely Non-ferrous. Smaller Than Ever!

An extremely small clip for fine testing in radio and electrical work. Light-Weight; thin-nosed; spring-temper phosphor bronze. Ideal for close-wound coils. 1 1/8" long; jaw spread 1/4".

EACH NET.....\$0.16 LOTS OF 10.....\$0.11

Use No. 93-P R.F. Insulator.



Insulator No.	For Use with Clip No.	Each Net	Lots of 10
13	11, 11-A	\$0.54	\$0.38
23	21, 21-A	.33	.23
26	24, 24-A	.23	.16
29	27, 27-C	.17	.12
35	33	1.42	1.00
47	45, 45-C	.11	.075
49	48-B, 48-C, 82	.11	.075
87	85, 85-C, 85-T	.10	.066
93-P	88	.05	.035

Mueller Electric Co.

THE SNAPPER

A Long Insulated Test Clip and
A "Triple Thread" Radio Tool



U. S. Patent No. 2,074,324

No. 99—7" Long Insulated

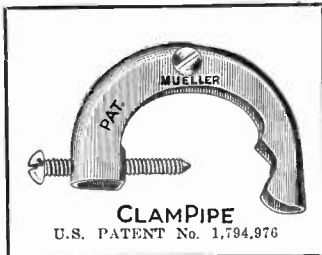
The long tube is of insulating material and is fitted with spring contact jaws on the far end.

The jaws are operated by a push of the thumb on the near end. Wire is quickly and easily connected in a hole in the insulator knob binding post on the near end.

May be used as (1) A "Deep Sea" Electric Test Clip—test contacts with ease, deep in the recesses of radio chassis with no danger of short circuits; (2) An Electric Contact Prod—clip jaws may be used to make quick prod contacts, or clip one Snapper on ground circuit and prod with another; (3) A Retriever—start small screws and nuts or pick up odds and ends that may accidentally be dropped into inaccessible places.

PRICE...\$0.90 EACH Dealers' Wholesale Price, each...\$0.54 Net
Snappers are generally used in pairs—1 red and 1 black.

CLAMPIPE GROUND CLAMP



CLAMPIPE

U. S. PATENT No. 1,794,976

No. 58

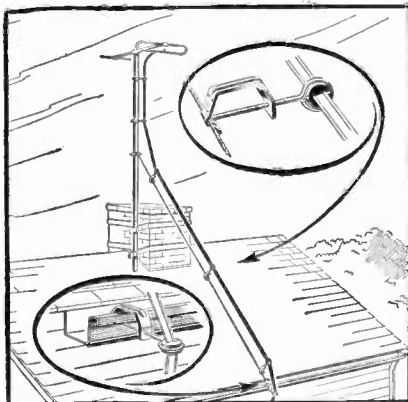
The best ground clamp value on the market. Applicable to pipe $\frac{3}{8}$ " to 1 $\frac{3}{8}$ " outside diameter.

Packed 10 in a box

EACH NET.....\$0.13 LOTS OF 10.....\$0.09

The exclusive patented feature of a U-shaped cross section in combination with a U-shaped clamp gives a rigidity and effectiveness to the ClamPipe that cannot be found in any other make.

The ClamPipe will not bend or lop over when applied to a pipe. The point of the large case hardened screw, cuts through rust, paint or corrosion into clean, fresh metal, insuring a good contact. The Clamp may be installed on a pipe lying flush against a wall. Will not spread open.



HAS THESE USEFUL FEATURES —

- One standard size solves many lead-in problems — far more useful than straps or wire bands.
- Brings lead-in to edge of roof — right where you want it — no more "draping" of wire across the roof.
- On those high jobs, come right down a guy-wire — and get around the gutter in the clear.

LOW PRICES!

All packed 100 in a carton

No. 135 For all types of Flat Twin-Lead.
No. 136 For Coax Cables up to $\frac{1}{2}$ " O.D.
EACH NET, \$0.13 LOTS OF 10, \$0.09
LOTS OF 100, \$0.078

Also in these Double Lead-in Types:
No. 135-DB For Flat Twin-Lead.
No. 136-DB For Coax Cables up to $\frac{1}{2}$ " O.D.
EACH NET, \$0.25 LOTS OF 10, \$0.18
LOTS OF 100, \$0.15

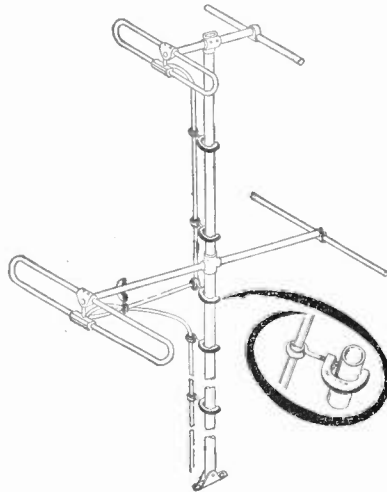
THE "TENNA-CLAMPIPE"

(ClamPipe Trade-mark Reg. U. S. & Can. Pat. Off.)

A Standoff Insulator that clamps on Quickly—Easily—almost anywhere for Television and FM Antenna Lead-Ins.

Quickly and Permanently Supports Lead-Ins

- On antenna masts & cross-arms.
- On pipes, I-beams, etc., on basement ceilings.
- On any rigid object up to 1 $\frac{3}{8}$ " in diameter or thickness.



SIMPLY TURN THE SCREW-EYE BY HAND FOR A SOLID, PERMANENT GRIP.

A great time-saver—the installation man's third hand.

Consists of an assembly of the famous Mueller ClamPipe Ground Clamp and a steel screw-eye with an insulating grommet. Holds lead-in wire from 1 $\frac{1}{4}$ " to 2 $\frac{1}{2}$ " away from clamp. Can be applied to any antenna mast, pipe or other object up to 1 $\frac{3}{8}$ " in diameter or thickness.

All metal parts are completely weatherproofed.

Insulating grommet is molded of high quality plastic having superior dielectric and non-absorptive properties. Will withstand exposure to weather.

No. 130 for all types of Flat Twin-lead.

No. 131 for all Coax Cables up to $\frac{1}{2}$ " O.D.

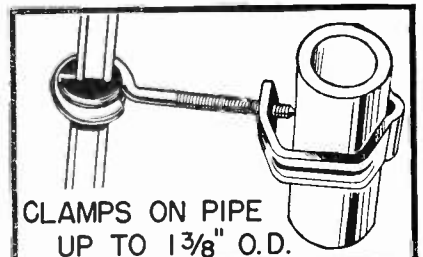
Packed 100 in a carton

EACH NET.....\$0.16 LOTS OF 10.....\$0.11
LOTS OF 100.....\$0.098

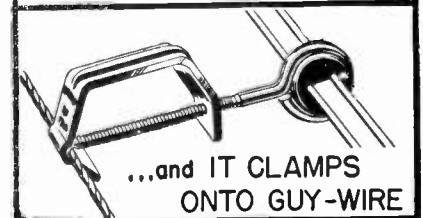
THE "TENNA-CLAMP"

A New 3-in-1 Stand-off Insulator Clamp!
Supports TV and FM Lead-ins on
MASTS, PIPES, GUTTERS AND GUY-WIRES

Has same general features and specifications as Tenna-ClampPipe described above except different type clamp channelled on end to take standard guy-wire in addition to pipes.



CLAMPS ON PIPE
UP TO 1 $\frac{3}{8}$ " O.D.



...and IT CLAMPS
ONTO GUY-WIRE

MALLORY VIBRATORS • VIBRAPACKS* • RECTIFIERS • BATTERY CHARGERS
SPECIAL COMPONENTS AND MISCELLANEOUS ITEMS *Reg. U.S. Pat. Off.

★ Complete descriptions of these parts will be found on the following pages.

Mallory Cat. No.	List Price
<i>Mallory Page 2</i>	
VIBRATOR DEAL	
2448	\$43.70
<i>Mallory Page 3</i>	
VIBRATORS	
222	\$8.30
245	7.00
245A	7.00
245C	7.00
W245A	7.00
246	7.00
246A	7.00
247	7.00
F247	7.75
248	7.00
249	7.00
270B	8.30
271HD	8.30
273C	8.30
273D	8.30
292	5.75
294	4.45
F294	6.50
298	5.75
F502F	8.30
505P	4.45
506P	5.75
509P	3.75
514	7.00
716	7.00
725C	7.75
G725C	9.05
742	7.00
743	7.00
748	7.00
G749C	9.05
825C	6.25
826C	5.75
F826C	7.00
G826C	7.00
839	5.75
852	4.45
853	4.45
854	4.45
859	4.45
860	4.45
870	4.45
903M	3.75
952W	7.00
953W	7.00
954	7.00
1100	4.45

Mallory Cat. No.	List Price
<i>Mallory Page 3</i>	
1501	\$5.75
1502	6.25
T4002	9.70
T4003	8.90
GC7	.40
AR-1 Adapter	1.35
<i>Mallory Page 5</i>	
VIBRAPACK*	
POWER SUPPLIES	
*Reg. U.S. Pat. Off.	
VF-223	\$ 8.00
VP-540	30.00
VP-551	22.00
VP-552	26.25
VP-553	24.50
VP-554H	28.75
VP-555H	52.00
VP-557	52.00
VP-G556	28.75
VP-F558	31.25
<i>Mallory Page 6</i>	
BATTERY CHARGERS AND ACCESSORIES	
6AC4	\$14.95
6AC6	19.95
6AC10	27.95
12AC5	35.95
R-652	1.80
R-653	.25
R655	1.80
MMF12	9.50
<i>Mallory Page 7</i>	
6AC60	\$84.50
R-654	7.50
<i>Mallory Page 8</i>	
RECTIFIERS	
IB4R	\$2.05
IB8R	2.45
IB12R	2.80
IB12C1J	5.45
IB12C3	5.90
F16C3	7.65
IF16CB7M	8.50
IS16CB7	8.10
IS16B7	10.10
IS16B9	11.10

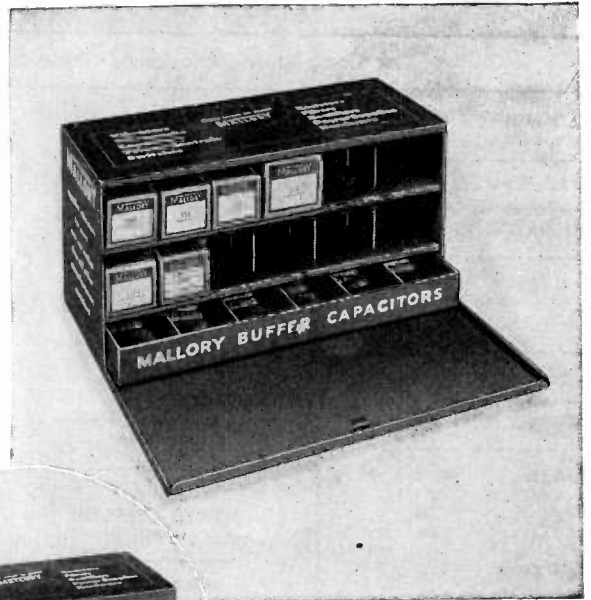
Mallory Cat. No.	List Price
<i>Mallory Page 8</i>	
F20C7	\$10.10
IS24C7J	10.05
IS24B9	15.55
IS28C7J	11.85
F16H1P	5.85
F20H1P	7.20
F24H1P	8.55
F28H1PM	9.90
F32H1PM	11.25
<i>Mallory Page 9</i>	
MALLORY INDUCTUNER*	
*Reg. Trade Mark	
8301	\$27.50
VIDEOCOUPLER	
VC-101	\$1.75
YARD-OHM Resistance Kits	
YO-1	\$0.75
YO-5	.75
YO-10	.75
YO-25	.75
YO-50	.75
YO-100	.75
YO-250	.75
YO-500	.75
GRID BIAS CELLS	
BC-2	\$0.45 each
GB11A	.15 each
GB11B	.20 each
GB12	.25 each
GB13	.35 each
GB14	.40 each
GB15	.15 each
GB16	.15 each
<i>Mallory Page 10</i>	
KNOBS	
365-1	\$0.25
365-R-1	.25
366-1	.20
366-R-1	.20
367-1	.25
368-1	.20
MOUNTING NUTS	
232	\$0.15 per 10
255	.20 each
A-11260-2	.30 each
A-11260-12	.25 each

Mallory Cat. No.	List Price
<i>Mallory Page 10</i>	
WASHERS	
203	\$0.30 per 10
212	.20 per 10
225	.20 per 10
226	.20 per 10
227	.20 per 10
SOLDERING IRON TIPS	
311	\$0.70
312	.80
DIAL PLATES	
453	\$0.20
454	.20
455	.20
456	.20
457	.20
458	.20
459	.20
460	.20
461	.20
462	.20
463	.20
464	.20
465	.20
466	.20
467	.20
468	.20
472	.20
473	.20
474	.20
475	.20
476	.20
477	.20
478	.20
479	.20
480	.20
481	.20
482	.20
483	.20
484	.20
485	.20
486	.20
487	.20
488	.20
372	.20
373	.20
374	.20
375	.20
376	.20
377	.20
378	.20
379	.20
380	.20
381	.20
382	.20
383	.20
384	.20
385	.20
386	.20
387	.20
388	.20
389	.20
390	.20
394 Special	.20

THE MALLORY 2448 VIBRATOR DEAL

Here's What You Get:

- ① Six popular Mallory vibrators
- ② Twelve Mallory buffer capacitors
- ③ Services 75% of your replacement needs
- ④ Simplifies your inventory control
- ⑤ Extra space for flexible inventory
- ⑥ Cabinets firmly "stack" together; use as many as you need to handle your stock



**You Get the Cabinet
at no Additional Cost...
When You Purchase
the Vibrators at
Your Regular Discount**



Picture at right shows how your vibrator cabinet nests with any Mallory Control Deal cabinet. Your vibrator cabinets nest together, too, to handle your complete stock of vibrators. The Mallory Radio Service Encyclopedia is purchased separately.

APPLICATION—The Mallory 2448 Vibrator Deal cabinet assures more speed in vibrator replacement work . . . gives you the advantage of work-bench accessibility . . . simplifies your inventory problems . . . gives you wide coverage with a minimum selection of Mallory vibrators.

GENERAL DESCRIPTION—Consists of 6 of the most popular type Mallory vibrators. Cabinet contains 12 individual compartments, enabling you to make 6 additional selections. A large drawer is divided into 6 sections to hold a large stock of Mallory buffer capacitors. Twelve capacitors come with the 2448 Deal. Cabinet constructed of 28-gauge sheet steel, neatly finished in blue with white lettering and orange trim.

USE IN INVENTORY CONTROL—With the Mallory 2448 Vibrator Deal cabinet in your shop, inven-

tory control is simplified. You keep similar type vibrators together. You determine at a glance which vibrators you need to re-order. This assures an adequate, up-to-date supply of Mallory vibrators you need.

CONTENTS—(Complete descriptive information on each of the following vibrators and buffer capacitors may be found on the following page and in the Mallory Capacitor Section page 9, respectively.)

Mallory Vibrators, 1 each:

248, 716, 859, 870, 1100, 1501

Mallory Buffer Capacitors, 2 each:

OT-371, OT-372, OT-373, OW-344, OW-345, OW-346

PRICE—When you purchase the vibrators and buffer capacitors included in the Mallory 2448 Vibrator Deal, at your regular discount, you get the cabinet at no additional cost!

You'll Use Your MALLORY 2448 VIBRATOR DEAL in all These Radio Sets

Admiral	Chrysler	Emerson	Grunow	Motorola	Pontiac	Stewart-Warner
Arvin	Clarion	Firestone	Howard	Nash	RCA	Studebaker
Atwater-Kent	Crosley	Ford	Hudson	Oldsmobile	Sears-Roebuck	Truetone
Belmont	Delco	Gamble-Skogmo	Kaiser-Frazer	Packard	Sentinel	Wells-Gardner
Buick	De Soto	General Electric	Lincoln	Motor Car	Sonora	Westinghouse
Cadillac	Detroit	Goodrich	Montgomery-Ward	Philco	Spartan	Willys
Chevrolet	Dodge	Goodyear		Plymouth	Spiegel	Zenith

MALLORY VIBRATORS



Type No.	Volt	Type	Base Dia.	Can Type	Size
222	6	Syn.	20	2	4 7/8 x 1 7/8 x 1 13/16
▲245	6	Syn.	21	1	1 1/2 x 3 3/4
▲245A	6	Syn.	21	1	1 13/16 x 3 1/2
245C	6	Syn.	28	1	1 1/2 x 3 1/4
▲W245A	4	Syn.	21	1	1 13/16 x 3 1/2
▲246	6	Syn.	38	1	1 1/2 x 3 3/4
▲246A	6	Syn.	38	1	1 13/16 x 3 1/2
247	6	Syn.	46	1	1 1/2 x 3 3/4
F247	32	Syn.	46	1	1 1/2 x 3 3/4
▲248	6	Syn.	44	1	1 1/2 x 3 3/4
▲249	6	Syn.	32	1	1 1/2 x 3 3/4
270B	6	Syn.	23	1	2 x 4 1/2
271HD	6	Syn.	24	1	2 x 4 1/2
273C	6	Syn.	29	1	2 x 4 1/2
273D	6	Syn.	31	1	2 x 4 1/2
292	6	Int.	3	2	1 1/2 x 1 3/8 x 2 7/16
294	6	Int.	8	1	1 1/2 x 3 3/4
▲F294	32	Int.	8	1	1 1/2 x 3 3/4
298	6	Int.	51	1	1 1/2 x 2 7/8
F502P	32	Int.	9	5	1 5/8 x 3 3/8
505P	6	Int.	8	1	1 13/16 x 3 1/2
506P	6	Int.	36	1	1 13/16 x 3 1/2
509P	6	Int.	8	1	1 1/2 x 2 3/8
514	6	Syn.	30	6	1 13/16 x 3 1/2
716	6	Syn.	30	7	1 13/16 x 3 1/2
▲725C	6	Syn.	32	1	1 1/2 x 3 3/4
▲G725C	12	Syn.	32	1	1 1/2 x 3 3/4
742	6	Syn.	32	1	1 1/2 x 2 7/8
743	6	Syn.	38	1	1 1/4 x 3 3/4
748	6	Syn.	44	1	1 1/2 x 2 7/8
▲G749C	12	Syn.	21	1	1 1/2 x 3 3/4
▲825C	6	Int.	8	1	1 1/2 x 3 3/4
▲826C	6	Int.	8	1	1 1/2 x 3 3/4
▲F826C	32	Int.	8	1	1 1/2 x 3 3/4
▲G826C	12	Int.	8	1	1 1/2 x 3 3/4
839	6	Int.	8	1	1 1/2 x 3 3/4
852	6	Int.	14	3	1 5/8 x 3 3/8
853	6	Int.	10	3	1 5/8 x 3 3/8
854	6	Int.	11	1	1 1/2 x 3 3/4
▲859	6	Int.	8	1	1 1/2 x 2 7/8
860	6	Int.	14	7	1 1/2 x 3 3/4
870	6	Int.	14	1	1 1/2 x 3
903M	6	Int.	8	1	1 1/2 x 2 7/8
952W	6	Syn.	16	1	1 3/8 x 2 3/8
953W	6	Syn.	16	1	1 1/2 x 3 3/16
954	6	Syn.	39	1	1 1/2 x 3 3/16
▲1100	6	Int.	8	1	1 13/16 x 2 3/8
▲1501	6	Int.	53	1	1 1/2 x 2 7/8
1502	6	Int.	54	1	1 1/2 x 2 7/8
T4002	2	Syn.	52	8	1 1/2 x 1 1/2 x 2 1/8
T4003	2	Syn.	50	1	1 13/16 x 2 1/8
†GC7		Ground Cup			
AR-1		Adapter			

Recommended Substitutions for Discontinued Vibrators

Discontinued Type	Recommended Replacement	Discontinued Type	Recommended Replacement
220B	See Note 2	F297	F294 (See Note 3)
F220C	See Note 2	299	298
221	292	500P	853
223	222 (See Note 1)	501P	853
F223	See Note 2	503	292
224	222 (See Note 1)	504	246 (See Note 1)
226	222 (See Note 1)	507P	853
245SW	245	508P	859
G245	G749C	509P	859
G249	G725C	510P	859
F251	F294	722A	246 (See Note 1)
G253	G826C	728A	246 (See Note 1)
253Y	294	850	859
271	270B	G850	G826C
277S	248 (See Note 1)	866	859
P285Y	246 (See Note 1)	868	870
286S	248	869	859
289Y	249	901M	294
294C	852	902M	859
294SW	854	903M	859
296	298	951P	246
297	298	T4000	T4003

NOTE 1. To make this substitution certain wiring changes are necessary. See instruction sheet packed with vibrator or installation note in the Mallory Vibrator Guide and the 6th Edition Mallory Radio Service Encyclopedia.

NOTE 2. An exact duplicate is no longer available. Every effort is being exerted to determine a satisfactory substitute. If a substitute can be made available, your Mallory Distributor will be advised.

NOTE 3. To make this substitution the six-prong socket must be changed to a 4-prong UX base socket and wired to match base diagram 8.

Int.—Interrupter Syn.—Synchronous

*Hermetically Sealed Construction.

†A grounding cup for 1 1/2" dia. vibrators which makes a low r.f. ground connection between vibrator can and power supply chassis.

‡To be discontinued when supplies are exhausted.

‡No ground strap.

*Use only these types in design of new equipment. Other types are for replacement purposes only.

MALLORY TECHNICAL MANUAL

● This simply written, practical book bridges the gap between radio theory and practice. Designed for the radio serviceman, engineer, amateur or experimenter who wants the latest technical information . . . presented so that he can easily apply it to everyday problems.

Contains page after page of information profusely illustrated. It's worth far more than its price.

MALLORY VIBRATORS

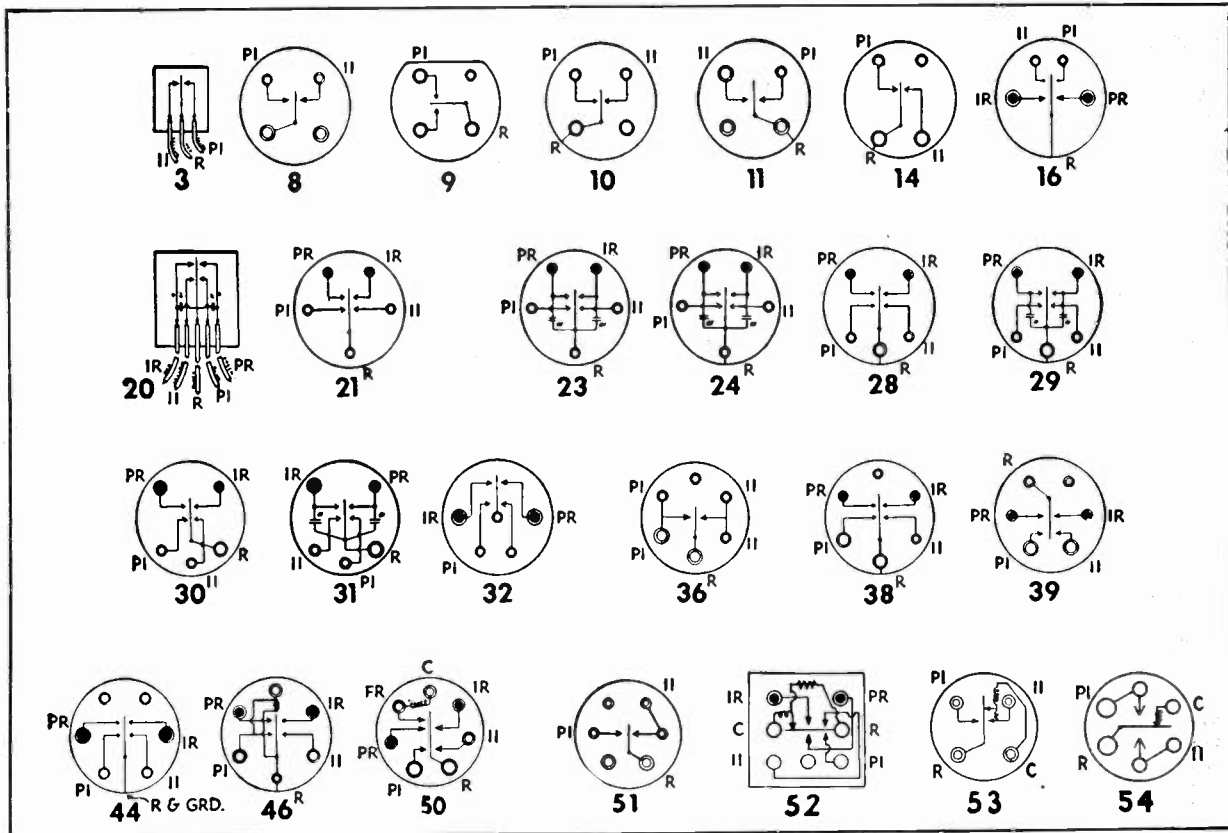
These Mallory Vibrators Meet 90% of Your Replacement Needs

● The 12 basic vibrator types listed at right cover 90% of your replacement needs. The entire line of Mallory Vibrators has been simplified so that replacements can be made easily and quickly. By effecting substitutions, Mallory is materially reducing the number of vibrators needed to meet your requirements.

This Mallory standardization program means that your distributor stocks fewer vibrator types and more units of each—thus delivery is tremendously speeded up.

The vibrator replacement problem is being simplified but Mallory quality remains the same. Mallory precision vibrators, backed by years of outstanding performance, still offer the dependability, the long life and the trouble-free service that you and your customers expect. It pays to insist on Mallory Approved Precision Products.

Type No.	Volt	Type	Base Dia.	Size
245	6	Syn.	21	1½ x 3¼
246	6	Syn.	38	1½ x 3¼
248	6	Syn.	44	1½ x 3¼
249	6	Syn.	32	1½ x 3¼
273C	6	Syn.	29	2 x 4½
294	6	Int.	8	1½ x 3¼
716	6	Syn.	30	1½ x 3½
852	6	Int.	14	1½ x 3½
854	6	Int.	11	1½ x 3¼
859	6	Int.	8	1½ x 2½
870	6	Int.	14	1½ x 3
1100	6	Int.	8	1½ x 2¾

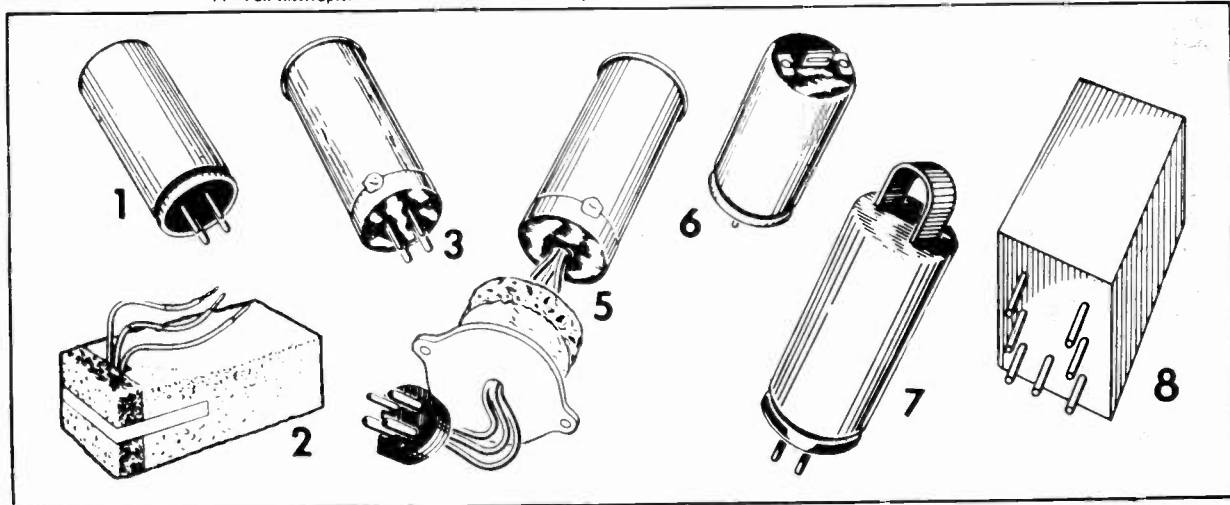


R=Reed
PI=Pull Interrupter

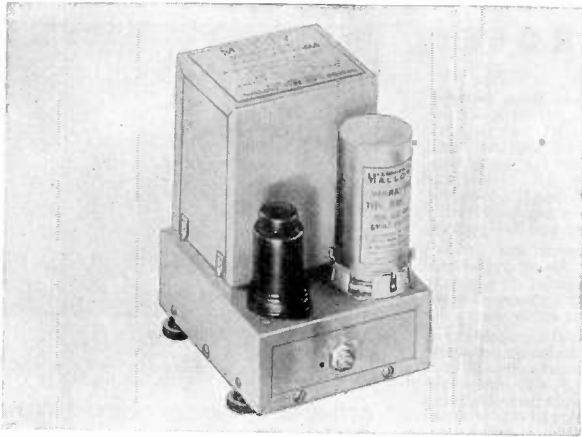
PR=Pull Rectifier
II=Inertia Interrupter

IR=Inertia Rectifier
C=Coil

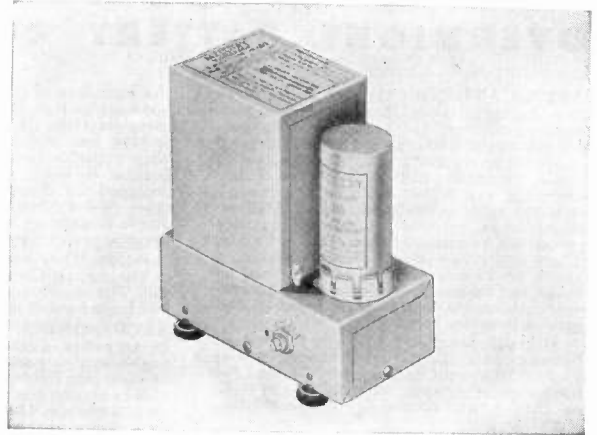
FR=Frame



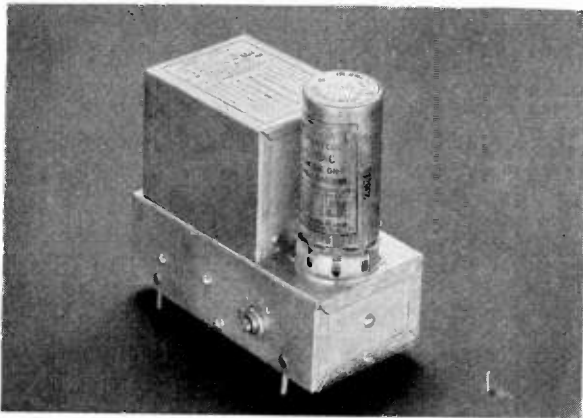
MALLORY VIBRAPACK* POWER SUPPLIES



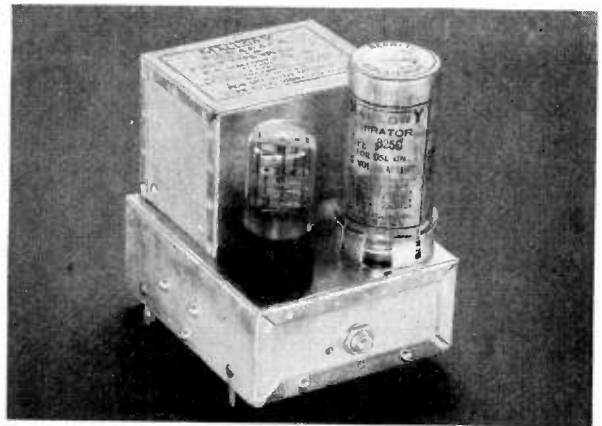
Type VP-554H • VP-F558



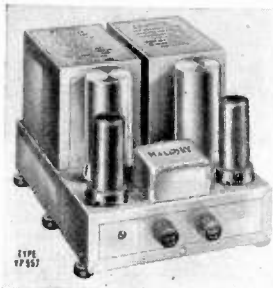
Type VP-552 • VP-G556



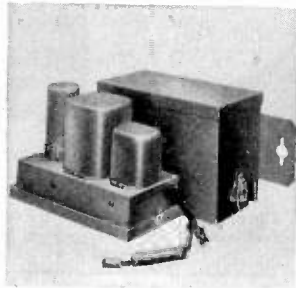
Type VP-551



Type VP-553



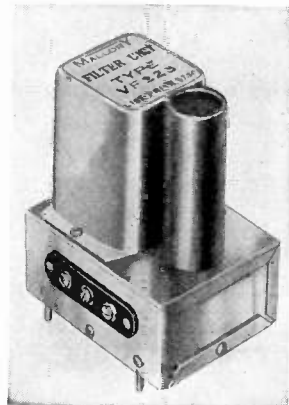
Type VP-555H • VP-557



Type VP-540

Type VF-223 Audio Filter

● A complete audio filter system for use with all single-unit Vibrapacks. Designed to give maximum suppression of hum with minimum voltage drop. Especially recommended for applications which are sensitive to hum, or where voltage regulation is important as in Class "B" audio amplifiers.



NOISE SUPPRESSION

● Vibrapacks are equipped with built-in noise suppression equipment. Type VP-555 also includes an efficient low-frequency hum filter. Type VP-557 incorporates the first input filter condenser only. Other Vibrapacks do not include the high-voltage hum filter. High-voltage filter requirements are similar to equivalent AC power packs.

Catalog Number	Nominal Operating Voltage	Nominal Output Voltage	Maximum Output Current	Type
VP-540*	6.3	250	60 ma.	Self-Rectifying
VP-551	6.3	125-150 175-200	100 ma.	Self-Rectifying
VP-552†	6.3	225-250 275-300	100 ma.	Self-Rectifying
VP-553	6.3	125-150 175-200	100 ma.	Tube Rectifier
VP-554H†	6.3	225-250 275-300	100 ma.	Tube Rectifier
VP-555H†	6.3	300	200 ma.	Tube Rectifier
VP-557†	6.3	400	150 ma.	Tube Rectifier
VP-G556	12.6	225-250 275-300	100 ma.	Self-Rectifying
VP-F558	32.	225-250 275-300	100 ma.	Tube-Rectifier

*Includes complete audio filter.

†Maximum ratings are for mobile transmitter service. For continuous duty with radio receivers where longer vibrator life is essential, reduce maximum output watts ratings to 75% of listed values.

MALLORY BATTERY CHARGERS

OVERNIGHT BATTERY CHARGERS

APPLICATIONS—Mallory Automotive and Marine Battery Chargers provide convenient, efficient and economical charging of any storage battery used in automobiles, buses, trucks, tractors, taxicabs, small boats, airplanes, and on the farm. Taper charging (an automatically decreasing charging rate) is designed into all Mallory chargers to prevent damage to battery plates and to insure maximum battery life. These chargers also are ideal for charging any 6 or 12-volt storage battery used in industrial applications, engineering and research laboratories, test equipment, and service benches, etc.

Although designed principally for storage battery charging, Mallory Automotive and Marine Battery Chargers may be used for numerous other applications. They provide an ideal power source for electroplating, model and toy trains, telegraph systems, relays and solenoids, vending machines, electric organs, generator fields, etc. In conjunction with an adequate filter they may be used as a power source for farm and portable radio filaments, auto radio receivers, telephone systems, loud speaker fields, exciter lamps, scientific apparatus, etc.

DESCRIPTION—The heart of these chargers is the Mallory Magnesium-Copper Sulfide all-metal rectifier. Unaffected by temperature and able to withstand phenomenal abuse, they provide stable output without adjustment over long life. With an exclusive self-healing feature, Mallory rectifiers have been time-tested and proved to be the most rugged dependable rectifier for battery-charging applications.

Mallory Automotive and Marine Battery Chargers are made in five models to cover

the complete charging field from battery boosters to fast chargers. All chargers are conservatively designed with circuit protection and meters where required, and large capacity battery clips for ready connection to battery posts. All models are designed for operation from 115-volt 60-cycle power lines and are equipped with ample lengths of both AC and DC cables.

MOUNTING—All chargers are readily portable. They may be placed anywhere: in the car, on the garage floor, on a bench, etc. The small models are equipped with two holes for wall mounting where desirable.

ACCESSORIES—Although equipped with battery clips, a readily attachable polarized dashboard plug and receptacle (No. R-652) or cigarette lighter plug (R-655) are available as accessories for simple installation in an automobile. The addition of one of these receptacles makes possible simple plug-in connection of the charger to the car battery. Extra battery clips (No. R-653) are available. Automatic timer control (No. R-654) is offered for use with battery chargers to control the charge. It may also be used with many household appliances.

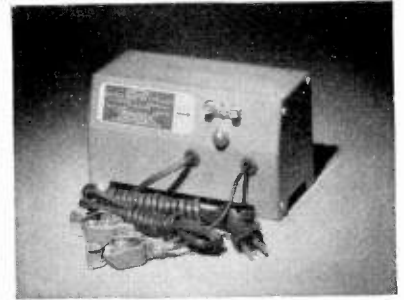
PACKAGING—One charger per cardboard shipping carton.

No. R-652—Polarized Dashboard Receptacle, for use with these chargers.

No. R-653—Extra Battery clips.

No. R-655—Cigarette lighter plug.

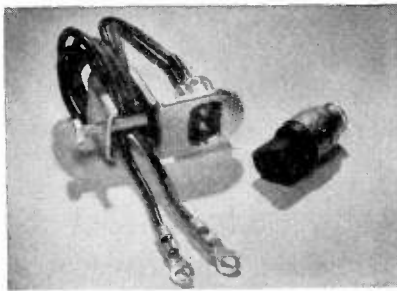
No. MMF-12—Specially designed filter for use in conjunction with 6-AC-4, 6-AC-6, 6-AC-10 chargers. Efficiently reduces AC ripple when these chargers are used as a DC power supply. May also be used with 6-AC-60 where max. current does not exceed 20 amps.



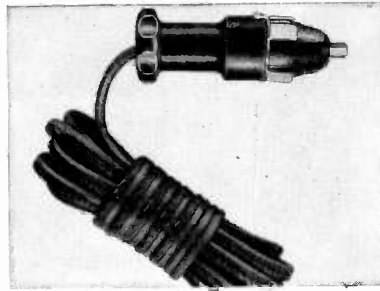
6-AC-4



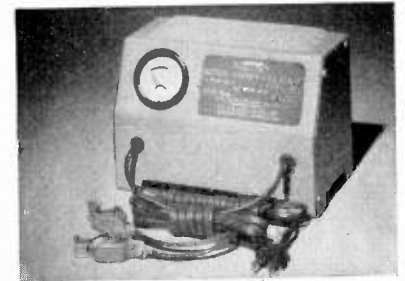
6-AC-6



R-652



R-655

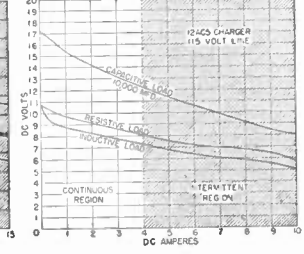
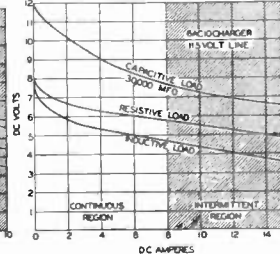
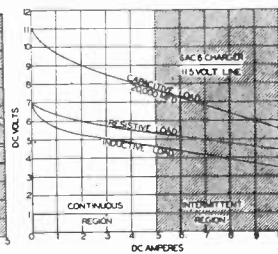
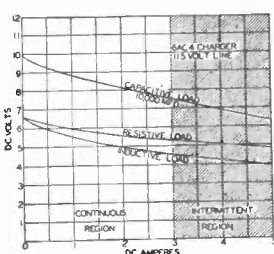


6-AC-10 • 12-AC-5

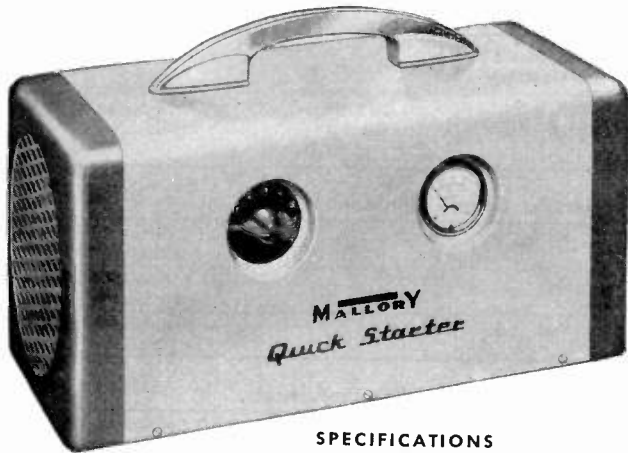
Mallory Charger Catalog Number	Nominal Battery DC Volts	Maximum Charging Rate DC Amps.	Tapered Rate DC Amps.	Approx. 10 Hr. Charge in Amp. Hrs.	Charging Indicator	Approx. Overall Dimensions in Inches			Approx. Shipping Weight in Pounds
						Height	Width	Depth	
6AC4	6	4	2	30	No	4 ⁷ / ₁₆	7 ³ / ₈	3 ⁵ / ₁₆	4 ³ / ₈
6AC6	6	6	4	50	Light Bulb	4 ⁷ / ₁₆	7 ³ / ₈	3 ⁵ / ₁₆	7
6AC10	6	10	7	85	Meter	6	8	4 ¹ / ₄	12 ¹ / ₂
12AC5	12	5	3	40	Meter	6	8	4 ¹ / ₄	10 ³ / ₄

These chargers come with 6 feet of AC and DC cord.

The graphs below show typical charger characteristics when operating into various DC types of loads.



MALLORY FAST CHARGERS AND RECTIFIERS



SPECIFICATIONS

Cabinet—18" long, 10 $\frac{1}{4}$ " high, 9 $\frac{1}{4}$ " wide, including handle and cable rack. **Weight**—45 lbs. net. **Shipping Weight**—47 lbs. **A.C. Input**—115 v., 50-60 cycles, 10 am. **D. C. Output**—To charge 6 v. battery at 60 amp. max. **Cables**—Heavy insulation—long wearing. **D.C. Cables**—No. 6-9' long. Color identification for polarity. Heavy duty terminal clamps. **A.C. Cables**—No. 16—15' long. With rugged AC plug.

PORTABLE FAST CHARGER

• The Mallory 6-AC-60 Quick Starter is a portable unit providing 2 minute starting service or fast charging of batteries in a few hours.

A Mallory 80 amp Magnesium-Copper Sulfide rectifier stack insures dependable and rugged service. A 6 step charge control switch and ammeter allow charging rate adjustment. To provide automatic charging use the Mallory Automatic Timer Control (R-654).

Rectifier stack and transformer are efficiently cooled by a quiet running fan with an oil-less bearing motor. A convenient rack holds both AC and DC cables. The entire unit weighs only 45 lbs.

The Mallory Quick Starter will provide approximately 100 amp. hrs. charge in 2 hours. It also provides a convenient power supply for test and service equipment for horns, heaters, radio receivers, and electroplating.

Catalog No. 6-AC-60

Automatic Timer Control for 6AC60 Charger. Variable time setting up to 60 minutes. Contacts rated 20 amperes, 115 volts AC or 10 amperes, 230 volts, (suitable for DC loads). Also ideally suited to control lights, sunlamps, radios, fans, heating devices and numerous DC loads). Also ideally suited to control lights, sunlamps, radios, fans, heating devices and numerous other electrical household appliances.

Catalog No. 654



MALLORY MAGNESIUM-COPPER SULFIDE RECTIFIERS

APPLICATION—Mallory Magnesium-Copper Sulfide Rectifiers are time-tried and proved to be the most rugged, dependable rectifiers for those applications requiring low DC voltages at medium and high currents such as battery chargers and eliminators, electroplating, motion picture projector arcs, welding, engine starting, circuit breaker reclosing, solenoid and relays operation, etc.

DESCRIPTION—Mallory Magnesium-Copper Sulfide Rectifiers are all metal in construction, ruggedly assembled under high pressure to withstand severe vibrations and shock. There are no bulbs, liquids, moving parts or sparking contacts. Unlike all other types of rectifiers, they contain no temperature-sensitive films or layers, and have phenomenal ability to withstand abuse and extremes of temperature (-90° to $+265^{\circ}$ F.). Constant output without circuit adjustments is assured over many years of useful life. Should an accidental voltage surge occur, the rectifying film will "self-heal."

SCOPE AND SIZES—Many sizes are available to supply low DC voltages from watts to kilowatts. A new rectifier engineering data folder is available upon request, covering other sizes for single phase and three phase applications, both convection and fan cooled. In addition to rectifier stacks, P. R. Mallory & Co., Inc. also manufacture a complete line of Rectoplators (distributed exclusively by the Udylyte Corporation, 1651 East Grand

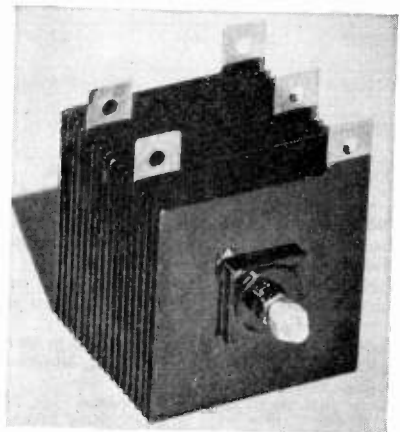
Boulevard, Detroit 11, Michigan), Rectotruck Chargers (industrial electric truck chargers available through truck agents).

REPLACEMENT RECTIFIERS—The Mallory Magnesium-Copper Sulfide Rectifiers listed on page 53 are only those popular sizes regularly carried in stock, principally for replacement purposes. These same rectifiers, however, may be used for numerous other applications. For example, the IB8R and IB12R rectifiers are ideal for reversing the direction of HO and O gauge model train locomotives respectively, using wound field motors (as illustrated in the wiring diagram, following page). IB12C1J, IS16CB7, and IS16B9 rectifiers may be readily used to assemble tapering battery chargers as illustrated in the wiring diagram. The IS24B9 rectifier may be used to make up a battery eliminator to operate and test modern automobile radio receivers as shown. Other applications immediately suggest themselves, such as electroplating, model and toy train DC power sources, radio filament supplies, chatter-free relay and solenoid operation, electric organ, automotive electrodynamic speaker field supplies, generator fields, telephone and telegraph system power supplies, etc.

MOUNTING—Rectifiers are available in either foot, bolt, or stud mounting, the latter two insulated from mounting means. Refer to note below table for type of mounting on replacement rectifiers.

HARDWARE—Wherever possible or practical, universal mounting hardware is included to assist in the ready replacement of old rectifier types.

PACKAGING—Rectifiers are packed one per display carton.



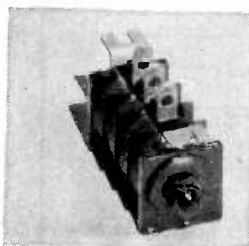
IS16B9



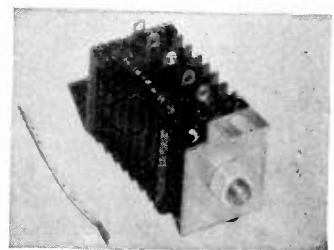
IB4R



IB8R



F24H1P



IB12C1J

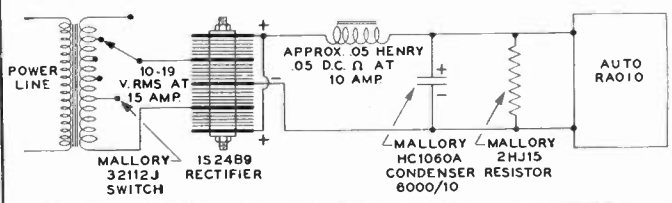
MALLORY RECTIFIERS

CHART OF REPLACEMENT RECTIFIERS

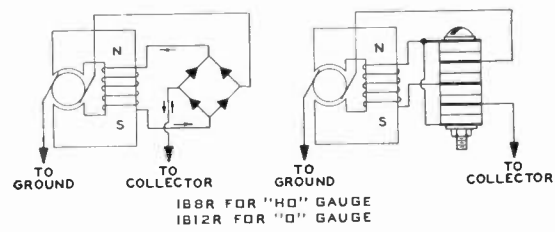
New Catalog Number	Maximum AC Volts (Normal Line)		Approx. DC Volts			Max. DC† Amperes		Approximate Overall Dimensions in Inches			Replacement for Old Catalog Number	Replacement in Equipment
	No Load	Full Load	Inductive Load	Resistive Load	Capacitive-Battery Load	Continuous Duty‡	Intermittent Duty	Length	Width	Height		
Ultra-Compact Replacement Rectifiers for Battery Eliminators, etc.												
IB4R	3.6	3.2	1.5	1.7	2.5	1.5	5.0	1	1/16	3/8		G.T.C. Porta-Power Electro Battery Eliminator
IB8R	7.2	6.4	3.1	3.4	5.1	1.5	5.0	1 1/8	1/16	3/8		G.T.C. Porta-Power Electro Battery Eliminator
IB12R	10.8	9.7	4.8	5.2	7.8	1.3	5.0	1 1/4	1/16	3/8		All Power Supplies for Electric Fence
Replacement Rectifiers for Automotive Chargers and Eliminators, etc.												
IB12C1J	10.8	9.8	4.6	5.1	7.7	3.2	24	2 3/4	1 1/4	1 1/8	12C1, F12C1, IF12C1B, 12C1F, F12C1K, IB12C1, IB12C1M, X12, X112, U12	4-2 Amp. Boosters Mallory 3C, 6AC4
IB12C3	10.8	9.7	4.5	5.0	7.6	4.5	24	2 3/4	1 3/4	2 1/8		Mallory 6-AC-6-2
F16C3	14.4	13.0	6.1	6.8	10.2	3.9	24	3	1 3/4	2 1/8	16C3, F16CB3, 16CB3, 16C3B*, XB16*, M16*, X16, X116, ME16	5-3 Amp. Old Chargers Mallory 5535
IF16CB7M	14.4	12.8	5.9	6.6	9.9	6.0	24	3	2 1/2	3 1/16		6-3 Amp. Charger, Mallory 5535A
IS16CB7	14.4	12.8	5.9	6.6	9.9	6.0	24	3 3/4	2 1/2	3	IS16CB7M	6-3 Amp. Charger Mallory 5535B, 6AC6
IS16B7	14.4	12.8	5.8	6.5	9.8	8.3	24	5 1/2	2 1/2	3	IS16B7M, IB16B7	10-7 Amp. Charger, Mallory 107, 6-AC-10-2
IS16B9	14.4	12.7	5.7	6.4	9.7	11.6	24	5 1/2	3 1/2	4 1/4		10-7 Amp. Charger, Mallory 6AC10
F20C7	18.0	16.2	7.6	8.4	12.6	4.8	24	4 3/4	2 1/2	3 3/16	F20C7P	A.T.R. Battery Eliminators, etc.
IS24C7J	21.6	19.4	9.0	10.1	15.1	4.5	24	4 3/4	2 1/2	3 3/16	IB24C7, F24C3, F24C3P, F24C7P, F24C7, FCX24D7, 201C1, R24LR, R24LS	Mallory 12-AC-5-2, Stancor Eliminators, Univerter, Pin Game Supplies, etc.
IS24B9	21.6	19.1	8.5	9.6	14.4	11.0	24	7 1/2	3 1/2	4 1/4		Stancor Battery Eliminators, etc.
IS28C7J	25.2	22.7	10.7	11.7	17.8	4.3	24	6	2 1/2	3	F28C7, F28C7P, 228C1, 267C1, R28LS	5-3 Amp. 12-volt Chargers, Mallory 125, 12AC5
Replacement Rectifiers for Pin Ball Machines, Power Supplies, etc.												
F16HIP	14.4	13.1	6.3	7.0	10.4	2.2	24	2 1/4	1 1/4	2	16A1, F16G1, F16G1P, F16HI, W16A1, 211C1, R16S	Electropak, Rectopak, Univerter, etc.
F20HIP	18.0	16.4	7.9	8.7	13.0	2.0	24	2 3/4	1 1/4	2	20A1, F20G1, F20G1P, F20H1, W20A1, 212C1, R20S, X20	Electropak, Rectopak, Univerter, etc.
F24HIP	21.6	19.7	9.6	10.4	15.7	1.9	24	3	1 1/4	2	F24G1, F24G1P, F24H1, W24A1, 203C1, R24S	Electropak, Rectopak, Univerter, etc.
F28HIPM	25.2	23.0	11.2	12.2	18.4	1.7	24	3 1/4	1 1/4	2	F28G1, F28G1P, F28H1, F28HIP, W28A1, F28HIP, 210C1, R28S	Electropak, Rectopak, Univerter, etc.
F32HIPM	28.8	26.2	12.8	14.0	21.0	1.6	24	3 3/4	1 1/4	2	F32G1, F32G1P, F32H1, F32HIP	Electropak, Rectopak, Univerter, etc.

NOTE: All rectifiers are single phase, full wave, bridge type.
Mounting Prefix: IB=Insulated Bolt; B=Grounded Bolt; F=Grounded Foot; IF=Insulated Foot; IS=Insulated Stud.
P suffix designates reverse polarity stacking. Center terminal is DC positive.
J suffix designates universal construction with loose mounting feet for foot, bolt or stud mounting replacement.
 †To determine AC Amps: Multiply the DC amps by the following factors:
 Inductive load by 1.1; resistive load by 1.2; capacitive load by 1.4.
 *Use base from old rectifier.
 ‡Ratings given are for resistive and inductive loads. To determine the Max. continuous DC amp. rating for capacitive and battery loads multiply these ratings by 0.82.

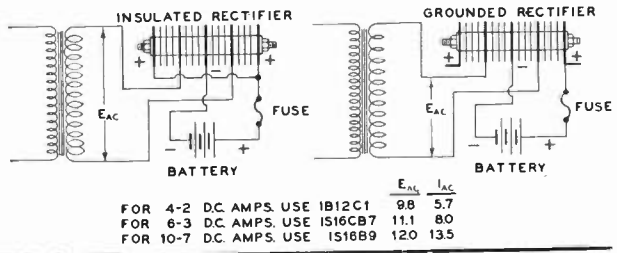
AUTOMOBILE RADIO POWER SUPPLY CIRCUIT



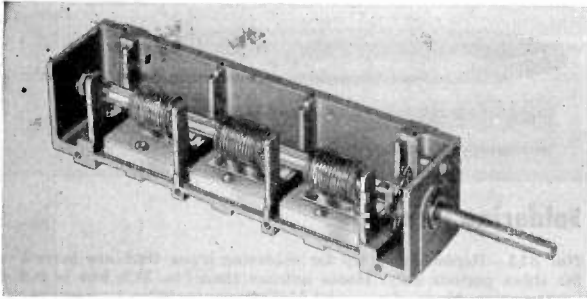
MODEL TRAIN LOCOMOTIVE REVERSING CIRCUITS



TYPICAL BATTERY CHARGING CIRCUITS



MALLORY SPECIAL COMPONENTS AND MISCELLANEOUS ITEMS



Mallory Inductuner* Type 8301

● The Inductuner is a three-gang, infinitely variable inductance tuning device, designed to provide continuous frequency selection over a range of frequencies from approx. 50 to 240 megacycles, covering the 1 $\frac{1}{4}$, 2, and 6-meter bands, as well as all television and FM bands. Various tuning ranges can be selected by varying the circuit constants, as required. The ten-turn, or 3600° rotation, permits convenient selection of the frequency desired without the use of a bandspread mechanism or intricate gear drive. Band width can be easily controlled by the use of a suitable bandpass circuit.

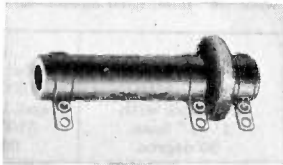
At the present time the Inductuner has acceptance as the tuning unit in television receivers that offer FM, police, aircraft and amateur reception, as well as the full 13 channels assigned for video transmission.

The complete assembly is substantially mounted in a die-cast frame, completely shielded. Size 7 $\frac{3}{16}$ " long x 1 $\frac{13}{16}$ " x 1 $\frac{13}{16}$ ".

A technical information bulletin is available on request, containing complete details, electrical characteristics, and suggested circuits. Inductuner*—Registered trade mark for Mallory variable inductance tuning devices. Manufactured and sold under one or more of the following Paul Ware and Mallory patents: 2,163644, 2,163645, 2,163646, 2,163647, 2,260877, 2,377789, 2,377790, 2,399060, 2,405890. Other patents applied for.

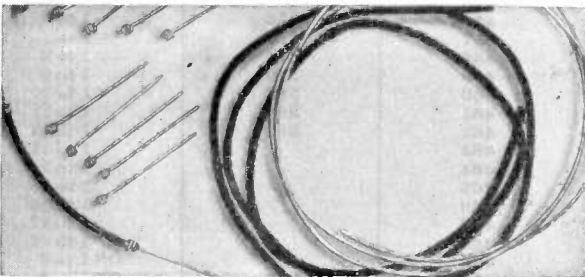
TYPE VC-101

Videocoupler



● The Mallory VC-101 Videocoupler is a compact inter-stage coupling unit for use in the wide-band amplifiers commonly found in television, radar and oscilloscope equipment. It consists of peaking inductances and a load resistance which provide an essentially flat frequency response to 4 mc. per second. It is designed to work into a terminating capacity of 22.5 mmfd. When used with a 6AC7 tube in a proper circuit, a stage gain of approximately 25 may be realized.

Mounting space required: 1 $\frac{3}{4}$ " long x $\frac{3}{4}$ " in diameter; max. dissipation 2 watts; finish, high-temperature enamel. Use a No. 6 bolt through the core for mounting.



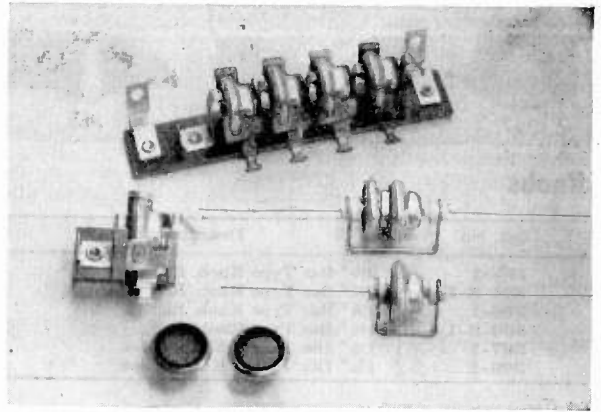
Yard-Ohm Resistance Kits

● Each Yard-Ohm Resistance Kit consists of all necessary materials to construct flexible resistors of a wide range of values. The Yard-Ohm Kit provides a real solution to the odd-value resistor problem. In addition to replacement applications, resistors made from the Yard-Ohm Kit are ideal for meter shunts, and for use wherever a high quality flexible resistor is desired.

Each Mallory Yard-Ohm Kit consists of the following: 1 yard spiral wound resistance wire; 1 yard insulated braid; 24 spiral wire leads. The kit is available in eight resistance values.

Dissipation—all types: $\frac{1}{2}$ watt per inch.

Catalog Number	Resistance Value (Ohms per Inch)	Carrying Capacity in Amperes	Catalog Number	Resistance Value (Ohms per Inch)	Carrying Capacity in Amperes
YO-1	1	.707	YO-50	50	.100
YO-5	5	.315	YO-100	100	.071
YO-10	10	.223	YO-250	250	.044
YO-25	25	.141	YO-500	500	.031



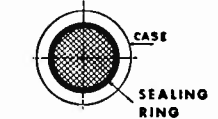
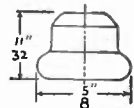
Grid Bias Cells

● The Mallory Grid Bias Cell is a small acorn-shaped, self-contained device. The metal container or cup is the negative electrode. The black disc is the positive electrode.

Application

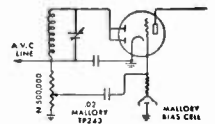
The principal use of Mallory Grid Bias Cells is in the biasing of the first audio amplifier tube in modern high-gain receivers. Diagram of a typical circuit is shown at right. The bias cell does not need to be by passed to ground.

Correspondence is invited regarding the application of Mallory Grid Bias Cells. Special Technical Bulletin No. GBC746 may be obtained on request.



Characteristics

The no-current potential of Mallory Grid Bias Cells is within plus or minus 10% of their rated voltage.



Current—The cell is strictly a potential or voltage cell for biasing class "A" amplifier tubes and should not be used for biasing power tubes or oscillators; or for any circuit where direct current may flow through, or be drawn from, the cell.

Temperature—The cells may be used at temperatures from 0°F to 140°F. The voltage of the cell remains reasonably constant throughout this wide temperature range. It is recommended, however, that wherever possible the bias cell be placed in the coolest location.

Humidity—The cell exhibits no change in characteristics when exposed to a relative humidity of 90% at 120°F.

Impedance—Mallory Grid Bias Cells are non-reactive at audio frequencies. The DC resistance of the cell ranges between 10,000 and 40,000 ohms.]

Noise—The cells do not cause noise.

Cat. No.	Description
BC-2	1/4-volt Grid Bias Cell (packed 10 to box)
GB11A	Cell Holder, 1-cell capacity
GB11B	Cell Holder, 1-cell capacity
GB12	Cell Holder, 2-cell capacity
GB13	Cell Holder, 3-cell capacity
GB14	Cell Holder, 4-cell capacity
GB15	Cell Clip, 1-cell capacity
GB16	Cell Clip, 2-cell capacity

MALLORY SPECIAL COMPONENTS AND MISCELLANEOUS ITEMS



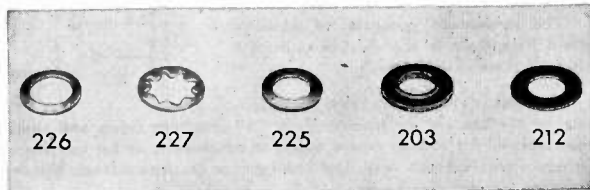
Knobs

Cat. No.	Description
365-1	2 1/4" Bar Type Knob, Black
365-R-1	2 1/4" Bar Type Knob, Red
366-1	1 1/4" Bar Type Knob, Black
366-R-1	1 1/4" Bar Type Knob, Red
367-1	1 1/2" Dia. Round Knob, Black
368-1	1 1/2" Dia. Round Knob, Black



Mounting Nuts

Cat. No.	Description	Thread	Dimension
232	Flat Hex Mounting Nut.	3/8-32	1/2 x 3/32
255	Hex Mounting Nut.	3/8-32	1/2 x 7/64 x 7/64 shoulder nut
A-11260-2	Hex Mounting Nut.	3/8-32	1/2 x 7/64 x 1 1/32 shoulder nut
A-11260-12	Hex Mounting Nut.	3/8-32	1/2 x 7/64 x 7/32 shoulder nut



Washers

Catalog No.	Description and Dimensions
203	Extruded Washer—Fiber—3/8" O.D. x 3/8" I.D. x 1/16"; Extruded 1/2" x 1/32" For Set See No. 212 Flat Washer.
212	Flat Washer—3/8" O.D. x 3/8" I.D. x 1/32"; Bakelite
225	Metal Washer—Nickel Finish—3/8" O.D. x 3/8" I.D. .040 Brass
226	Metal Washer—Nickel Finish—5/8" O.D. x 7/16" I.D. .040 Brass
227	Lock Washer—Cadmium Plated Steel—1 1/16" O.D. x 2 5/64 I.D.

MALLORY

RADIO SERVICE ENCYCLOPEDIA

Page after page of replacement information for all pre-war and post-war receivers.



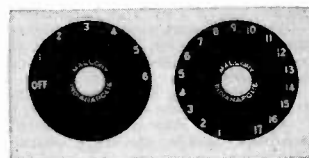
Soldering Iron Tips

No. 311—Replacement tip for soldering irons that are turned on for short periods only. Heats quicker than No. 312, but is not as long wearing. Made of a special Mallory copper alloy long in use as a welding tip material. Nickel plated to resist corrosion. Size—3/8" diameter, 4" length. Plunger style with "screw driver" point.

No. 312—Replacement tip for soldering irons that are used continuously for long periods of time. Made of a special Mallory copper alloy of great hardness and high electrical conductivity. Nickel plated to resist corrosion. Size—3/8" diameter, 4" length. Plunger style, with "screw driver" point.

Dial Plates

For Mallory Circuit Selector, Tap and All-Wave Switches. (Plates to match rotation of Mallory Adjustable Resistors on page 33.)



Neat-appearing Dial plates with easy-to-read aluminum figures clearly etched on solid black background. Dimensions are 1 1/16" in diameter with 7/16" hole, with figures 7/64" high. .020" aluminum stock.

For all types 3100J, 3200J Switches with 1 1/16" base. 20 degree spacing between numerals.	For all Switch types 1200L, 1300L and 1 1/4" base 3100J, 3200J. 30 degree spacing between numerals.	Marking
Cat. No.	Cat. No.	
453	372	1 to 2
454	373	1 to 3
455	374	1 to 4
456	375	1 to 5
457	376	1 to 6
458	377	1 to 7
459	378	1 to 8
460	379	1 to 9
461	380	1 to 10
462	381	1 to 11
463	382	1 to 12
464		1 to 13
465		1 to 14
466		1 to 15
467		1 to 16
468		1 to 17
472		1 to 18
473		Off 1 to 2
474	383	Off 1 to 3
475	384	Off 1 to 4
476	385	Off 1 to 5
477	386	Off 1 to 6
478	387	Off 1 to 7
479	388	Off 1 to 8
480	389	Off 1 to 9
481	390	Off 1 to 10
482		Off 1 to 11
483		Off 1 to 12
484		Off 1 to 13
485		Off 1 to 14
486		Off 1 to 15
		Off 1 to 16
	*394 Special	1 to 24
	†487 Special	1 to 5
	‡488 Special	1 to 4

*15° Spacing Between Numerals
 †60° Spacing Between Numerals
 ‡90° Spacing Between Numerals

ATR • VIBRATORS • ATR

AMERICAN TELEVISION & RADIO CO.

ATR AUTO RADIO VIBRATORS



ATR Manufactures a Complete Line of Auto Radio Replacement Vibrators

Ask your ATR Distributor for your Free Copy of the Latest ATR Vibrator Guide

ATR VIBRATORS

feature Ceramic Stack Spacers, and are proven units of the highest quality, engineered to perfection. They are backed by more than 17 years of vibrator design and research, development and manufacturing — ATR Pioneered in the Vibrator Field.

ATR VIBRATOR EQUIVALENT CHART

ATR	TYPE	SIZE	ATR LIST PRICE	E-L	MALLORY	RADIART
324	Int.	1 1/2" x 3 1/8"	\$4.10	1703	294	5300
328	Int.	1 1/2" x 3 1/8"	4.10	2090	854	5331
335	Int.	1 1/2" x 3 1/8"	4.10	2088	852	5303
340	Int.	1 1/2" x 2 7/8"	4.10	2605	859	5301
508	Syn.	1 15/16" x 4 1/2"	7.65	2682	273C	5425
520	Syn.	1 1/2" x 3 1/8"	6.90	2688	245	5409
522	Syn.	1 1/2" x 3 1/8"	6.90	2089	246	5411
524	Syn.	1 1/2" x 3 1/8"	6.90	2107	248	5400
525	Syn.	1 1/2" x 3 1/8"	6.90	2687	249	5406
547	Syn.	1 15/16" x 3 1/2"	6.90	2092	716	5426

THESE 10 POPULAR ATR VIBRATORS MEET 90% OF YOUR SERVICE NEEDS

ATR • ELIMINATORS • ATR

AMERICAN TELEVISION & RADIO CO.



Illustrates Heavy Duty "A" Battery Eliminator, Type 620C-ELIP, Equipped with Voltmeter, Ammeter and Voltage Control.

ATR "A" BATTERY ELIMINATORS

Specially Designed for Testing and Operating Auto Radios and D. C. Electrical Apparatus on Regular A. C. Lines, 105-125 Volts 50-60 Cycles.

- Fully Automatic and Fool-Proof.
- Eliminates Storage Batteries and Battery Chargers.
- Operates the Equipment at Maximum Efficiency at all Times.
- Delivers Filtered Direct Current at the Correct Voltage for Proper Operation.

SUGGESTED USES:

As a power supply for radio sets, aircraft instruments, relays, motors and other electrical and electronic equipments. In the laboratory, for supplying various low D. C. voltages.

Battery Eliminators may be treated as batteries in the sense that they can be connected in series for higher voltages at the same current output per unit or in parallel for the same output voltage per unit at higher currents.

Equipped with Full-Wave Dry Disc Type Rectifier, Assuring Noiseless, Interference-Free Operation and Extreme Long Life and Reliability.

TYPE 610 ELIB—Rated output 6 volts at 10 amperes. Size 6½" x 9½" x 8½"; shipping weight, 22 lbs. Code word, "SELIB".
Net Price \$29.70

TYPE 620C ELIP—Uses dual rectifiers. Size 6½" x 12¾" x 8½". Shipping weight, 33 lbs. Code word, "HELIN".

Rated Output: 6 volts at 18 amperes or 12 volts at 9 amperes. Either output obtainable by means of simple output terminal switching arrangement.
Net Price \$45.90

All ATR Eliminators have as standard equipment: On-Off Switch, Voltage Control, Meter(s), Fuse Protection, Rubber Mounting Feet, 6-Ft. All-Rubber Cord Set, and Cabinet of heavy gauge metal having attractive grey-wrinkled finish.



Illustrating Standard "A" Battery Eliminator, Type 610 ELIB, Equipped with Voltmeter and Voltage Control.

ATR • INVERTERS • ATR

AMERICAN TELEVISION & RADIO CO.

ATR STANDARD AND HEAVY DUTY RADIO INVERTERS

Specially Designed for Operating A. C. Radios, Public Address Systems, Television Sets, Amplifiers, Intercall Systems, and Radio Test Equipment from D. C. Voltages in Vehicles, Ships, Trains, Planes, and in D. C. Districts.



Illustrates all Standard ATR Radio Inverters except types 6 and 12 RSB.

This group of ATR Inverters is specially recommended for use with A. C. radios, amplifiers, and similar electronic equipment, being exceptionally well filtered to insure interference-free radio reception. With ATR Inverters, the need for special equipment is eliminated. They are designed for quiet, long-life radio operation. All models indicated are equipped with an ATR ten-contact plug-in Inverter Vibrator of new design and construction having dual arms and utilizing eight $\frac{1}{4}$ " diameter tungsten power contacts and two silver alloy driver contacts, insuring increased long life and reliable service. These Inverters also come equipped with four point voltage regulators, which make possible the correct output voltage for minimum to maximum loads and also help compensate for input voltages which are lower or higher than normal; the operating efficiency is in excess of 85%.

Type	Input D.C. Volts	A.C. Output 60 Cycles	Output Wattage		Code Word	List Price
			Intermittent	Continuous		
6 RSC	6	110 volts	85	75	ARSCD	\$44.00
12 RSC	12	110	125	100	BRSCF	44.00
24 RSC	24	110	125	100	NRSCQ	48.50
32 RSC	32	110	150	100	CRSCF	45.50
32B-RHC	32	110	200	180	DRHCG	69.50
50 RSC	50	110	150	100	ERHCH	57.00
110 RSC	110	110	250	150	GRSCJ	45.50
110A-RHC	110	110	325	225	HRHCK	65.00
110B-RHC	110	110	500	350	IRHCL	75.00
110C-RSC	110	110/220	250	150	JRSCM	57.00
220 RSC	220	110	250	150	LRSCO	48.50
220A-RSC	220	110/220	250	150	MRSCP	57.00

Radio frequency interference completely suppressed.

Any of the above type Inverters are available with 220 volt A.C. output at prices 25% higher. In ordering, specify "S" after the type number and substitute for the last letter in the code word "T"; that is, if a 110 volt D. C. Inverter having a 220 volt A. C. output is desired, this would be ordered as Type 110S covered by code word, "GRSCT".

ATR Standard and Heavy Duty Radio Inverters are housed in attractively finished grey-wrinkled metal cabinets.

Dimensions of Standard Model Radio Inverters, 8 $\frac{3}{8}$ " x 9" x 5 $\frac{1}{4}$ "; Shipping weight, 19 lbs.

Dimensions of Heavy Duty Model Radio Inverters, 6 $\frac{1}{2}$ " x 11 $\frac{1}{8}$ " x 8 $\frac{1}{2}$ "; Shipping weight, 30 lbs.

For correct replacement vibrator, consult Inverter Vibrator Guide.



Illustrates Types 6 and 12 RSB Standard Radio and Industrial Inverters only.

ATR • INVERTERS • ATR

AMERICAN TELEVISION & RADIO CO.



Illustrating all Types LID Inverters except Types 6 and 12.

ATR Low Power INVERTERS

For Operating Small A. C. Motors, Electric Razors, Radios, and Devices of Approximately 35 watts Consumption from 6, 12, 24, 32, 110, and 220 volt D. C. Lines.

This line of ATR Low Power Inverters was specially brought out to meet the insistent demand for a good, low power, inexpensive portable Inverter for operating phonograph and other A. C. motors and a host of small A. C. devices from D. C. voltage sources. These Inverters operate at an efficiency in excess of 90% and are designed for operation of loads having a power factor as low as 60%. They are ruggedly built and powered by a special ATR six-contact plug-in Inverter Vibrator utilizing four 1/4" diameter tungsten power contacts and two silver alloy driver contacts.

Type	Input D. C. volts	A.C. Output 60 cycles	Wattage		Code Word	List Price
			Intermittent	Continuous		
6 LID	6	110 volts	40	35	ALIDM	\$29.50
12 LID	12	110	50	35	BLIDN	29.50
24 LID	24	110	50	35	FLIDR	32.50
32 LID	32	110	50	35	CLIDO	32.50
110 LID	110	110	75	50	DLIDP	29.50
220 LID	220	110	75	50	ELIDQ	32.50

Radio frequency interference suppressed.
 Any of the above type Low Power Inverters are available with 220 volt A. C. output at prices 25% higher. In ordering, specify "S" after the type number and substitute for the last letter in the code word "T"; that is, if a 110 volt D. C. Low Power Inverter having a 220 volt A. C. output is desired, this would be ordered as Type 110S covered by code word, "DLIDT".
 Dimensions, 5 3/4" x 4" x 6 1/2"; shipping weight, 7 lbs.
 Replacement Vibrators for any of the above Low Power Inverters are available. Be sure to mention the type number as well as model number when ordering. Consult Inverter Vibrator Guide.

ATR STANDARD AND INDUSTRIAL INVERTERS

HEAVY DUTY

For Operating A. C. Motors, Electronic Apparatus, Electrical Testing Equipment, and A. C. Electrical Appliances from D. C. Lines.

These units are specially designed for applications as indicated, permitting the use of standard A. C. equipment on D. C. lines. These Inverters operate at an efficiency in excess of 80% and are carefully built and equipped to give the longest possible life and operating satisfaction. All Inverters indicated utilize ATR ten contact plug-in vibrators, and are also equipped with four point voltage regulators as fully described above. These Industrial Inverters are recommended for use with loads having power factors as low as 60%, and as low as 50% for the "P" Inverters indicated. These Inverters should not be used with Neon signs.



Illustrating Heavy Duty Models Radio and Industrial Inverters except types 6 and 12. Types 6 and 12 Industrial Inverters are illustrated by small cut on page M-23.

Type	Input D.C. volts	A.C. Output 60 cycles	Output Wattage		Code Word	List Price
			Intermittent	Continuous		
6 ISP	6	110 volts	85	75	AISPD	\$44.00
12 ISP	12	110	125	100	BISPE	44.00
24 ISP	24	110	125	100	LISPN	48.50
32 ISP	32	110	150	100	CISPE	45.50
32P*-ISP	32	110	150	125	DISPE	57.00
32B-IHP	32	110	200	180	EIHPG	69.50
110 ISP	110	110	250	150	FISPH	45.50
110P*-ISP	110	110	250	150	GISPI	57.00
110A-IHP	110	110	325	225	HIHPJ	65.00
110B-IHP	110	110	500	350	IIHPK	75.00
220 ISP	220	110	250	150	JISPL	48.50
220P*-ISP	220	110	300	150	KISPM	57.00

Radio frequency interference not suppressed.
 Any of the above type Inverters are available with 220 volt A. C. output at slightly higher prices. In ordering, follow similar directions given above.

ATR Standard and Heavy Duty Industrial Inverters are housed in attractively finished grey-wrinkled metal cabinets.

Dimensions of Standard Model Industrial Inverters, 8 3/8" x 9" x 5 1/4".
 Shipping weight, 19 lbs.

Dimensions of Heavy Duty Industrial Inverters, 6 1/2" x 11 1/2" x 8 1/2"; shipping weight, 30 lbs.

For correct replacement vibrator, consult Inverter Vibrator Guide.

*"P" Inverters are corrected for loads having power factors as low as 50%.

Built-in filter, \$10.00 additional.

ELECTRO
ELECTRICAL AND RADIO EQUIPMENT

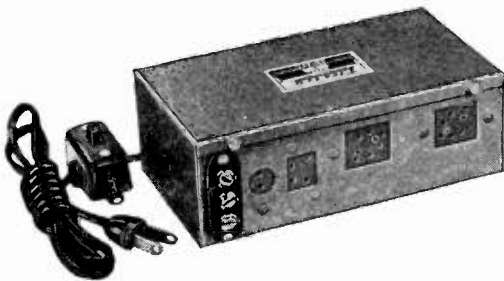
BATTERY ELIMINATORS of Distinction

ELECTRIFY with ELECTRO

Now battery radio reception can be enjoyed at its best without the usual grief and expense incurred when using batteries. Radio can be used for unlimited periods without fading. Costs but a few cents per hundred hours of operation.

FOUR TYPICAL MODELS are shown on this and

the following page. These are ruggedly constituted units of unusually long life—easy to install—no liquids to spill—no moving parts to get out of order and wear out—operate in any position. Completely filtered, hum free and silent in operation. Universal plugs and sockets are provided to accommodate any radio. All units durably finished in blue hammerloid.



MODEL "S" COMPACT With Selenium Rectifier

Operates Any 1.4 Volt — 4, 5 or 6 Tube Battery Radio from 115 Volt, 60 Cycle Source

Designed for sets using 1A7, 1E4, 1N5G, 1Q5G, tubes to convert battery radio to an efficient AC receiver with low operating cost. Fits in battery compartment of most radios. Ideal for use in home, hotel, camp or any place where normal AC is available.

Technical Data

"A" Supply Output	
5-6 tubes (average)	1.4 V. @ 320 ma.
4 tubes	1.4 V. @ 250 ma.
4 tubes	1.4 V. @ 200 ma.

"B" Supply Output
90 Volts DC @ 12 ma. max.

Primary
115 Volts AC @ 60 cycles.

Specifications
Six foot cord and plug — switch in cord.
Size: 2 3/8" x 3 1/2" x 6 3/4".
Weight packed: 3 1/2 pounds.

On and Off switch for permanent mounting — becomes part of the radio.

LIST PRICE \$16.75

MODEL "P" COMPACT

Same as MODEL "S" except has tube rectifier. Also available for 220 Volt operation.

LIST PRICE \$15.00



MODEL "F" COMPACT

Operates Any 2 Volt — 4, 5, 6 or 7 Tube Battery Radio from 115 Volt, 60 Cycle Source

For receivers using 1A4, 1C7, 1D5, 1E5, 1F5, 1F7, 1H4G, etc., tubes to change radio into an all-electric set. Inexpensive to operate.

Technical Data

"A" Supply Output	
7 tubes	2 V. @ 480 Ma. — 500 ma. max.
6 tubes	2 V. @ 420 ma.
4-5 tubes (average)	2 V. @ 325 ma.

"B" Supply Output
67, 90, 112, 135 Volts DC @ 18 ma.

Primary
115 Volts AC @ 60 Cycles. Also available for 220 Volt Operation.

Specifications
Six foot cord and plug, switch in cord.
Size: 2 3/8" x 4 1/2" x 8 1/4".
Weight packed: 5 1/2 pounds.

LIST PRICE \$17.95

MODEL "R" SYNCRO POWER

Same as Model "F" but operates from 6 Volt DC source. Supplied with cord and battery clips. On and Off switch in eliminator turns power on.

LIST PRICE \$20.75

ELECTRO PRODUCTS LABORATORIES

ELECTRO
ELECTRICAL AND RADIO EQUIPMENT

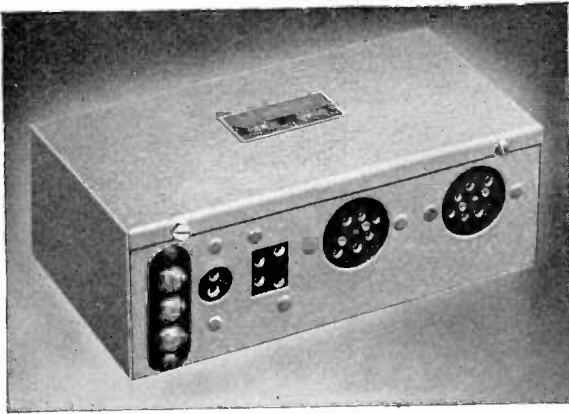
BATTERY ELIMINATORS *of Distinction*

ELECTRIFY with ELECTRO

Now battery radio reception can be enjoyed at its best without the usual grief and expense incurred when using batteries. Radio can be used for unlimited periods without fading. Costs but a few cents per hundred hours of operation.

FOUR TYPICAL MODELS are shown on this and

the preceding page. These are ruggedly constituted units of unusually long life—easy to install—no liquids to spill—no moving parts to get out of order and wear out—operate in any position. Completely filtered, hum free and silent in operation. Universal plugs and sockets are provided to accommodate any radio. All units durably finished in blue hammerloid.



MODEL "Q" SYNCRO POWER

Operates Any 1.4 Volt — 4, 5, or 6 Tube Battery Radio from 6 Volt DC Source

This Eliminator is to be used where 115 Volt AC lines are not available. Will provide all "A" and "B" voltages more efficiently and at lower cost from 6 Volt battery. Will operate a 4-tube radio three weeks at 3 hours a day on a single storage battery (100 A.H.) charge.

Technical Data

"A" Supply Output

5-6 tubes (average)	1.4 V. @ 320 ma.
4 tubes	1.4 V. @ 250 ma.
4 tubes	1.4 V. @ 200 ma.

"B" Supply Output

90 Volts DC @ 12 ma. max.

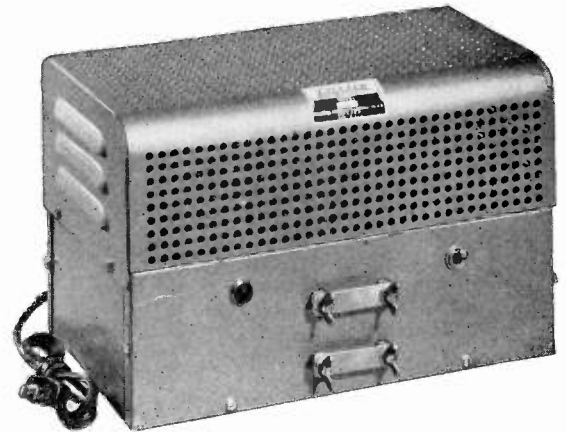
Primary

6 Volts DC @ 0.8 Amp. (for 4-tube radio).

Specifications

Cord and battery clips on primary.
On and Off switch in Eliminator turns power on.
Size: 2 $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " x 6 $\frac{3}{4}$ ".
Weight packed: 3 $\frac{1}{2}$ pounds.

LIST PRICE \$18.00



MODEL "A" POWER SUPPLY

Operates latest type auto radios with solenoid tuning and tone controls — also 12 Volt marine and aircraft radios from 115 Volt, 60 Cycle Source. In parallel supplies 6 Volts at 15 Amps. In series 12 Volts at 7 $\frac{1}{2}$ Amps.

Separately, 6 Volts at 7 $\frac{1}{2}$ Amps.

Designed especially to do away with the bother of old-fashioned storage batteries. Ideal for the radio service man. Two separately filtered DC output sources are provided for convenience. Heavy duty transformer and chokes; and two large capacity condensers provide excellent voltage regulation.

Technical Data

Output

6 Volts — 15 Amps.	continuous.
6 Volts — 25 Amps.	max. instantaneous.
12 Volts — 7 $\frac{1}{2}$ Amps.	continuous.
6 Volts — 7 $\frac{1}{2}$ Amps.	two sections continuous.

Primary

Taps on transformers for 105, 115, 125 Volts, 60 cycle AC. Each completely filtered section is separately fused for heavy overloads.

Specifications

Six foot rubber cord and plug.
Size: 7 $\frac{3}{4}$ " x 7 $\frac{3}{4}$ " x 11 $\frac{3}{4}$ ".
Weight packed: 31 pounds.
Electrostatic shield with R.F. line filter.
Large capacity bridge type rectifiers.
Two 2,000 M.F.D. condensers.
Terminals on front of panel with wing nuts.

LIST PRICE \$67.50

ELECTRO PRODUCTS LABORATORIES



PERMA-POWER

BATTERY ELIMINATORS



LIST
PRICE
\$14⁹⁵

Size: 2 1/8" x 4 1/2" x 6 3/4"
Shipping weight: 4 lbs.

MODEL "A"

for 1 1/2 volt radios with 4, 5, or 6 tubes. Model A has a circuit designed for optimum voltage regulation and changes in line voltages. It maintains practically constant voltage control under varying tube loads, with universal sockets for all battery plugs. Model A will fit all farm battery radios as well as the battery compartments of practically all portables.

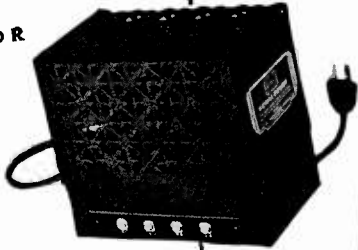
PROVIDES

"A" — 1.5v at 200 m.a.
1.35v at 250 m.a.
1.55v at 300 m.a.
1.35v at 350 m.a.

"B" — 90v at 13 m.a.
101v at 8.5 m.a.

MODEL "B" BATTERY ELIMINATOR

for 6-volt radios, twin-powered. Model B will convert most 6-volt battery radios. Operates on 105-125 volt 50-60 cycle lines supplying "A" and "B" power. Vibrator disturbance eliminated and high fidelity performance assured by sensational new design having two isolated sources; one for the vibrator and one for the filaments. It provides two sources of 6 volts at 1 1/2 amps., or when connected in parallel — 3 amps. Screw type terminals.



LIST
PRICE
\$19⁹⁵

Size: 3 5/8" x
6 1/8" x 5 1/2"

Shipping weight: approx. 7 lbs.

MODEL "E" BATTERY ELIMINATOR

for 2-volt radios with 4, 5, 6, 7 or 8 tubes. Model "E" has both A and B circuits designed for optimum voltage regulation and changes in line voltage. No distortion or "motor boating."

Model "E" will fit all farm battery radio compartments.

PROVIDES: "A" — 2v at 750 m.a.
"B" — 135v at 25 m.a. tapped at 112v, 90v, and 67v. Screw type terminals.
Size: 2 1/4" x 4 7/8" x 6 1/8"
Shipping weight: approx. 4 lbs.

LIST
PRICE
\$18⁷⁵



STEP DOWN TRANSFORMERS

For quick, easy conversion of all standard radios and electrical appliances to 220 volt 50-60 cycle operation. Designed for continuous and reliable performance. 100% safety factor for momentary overloads. Vacuum

pressure wax impregnation. Primary connected to U. I. approved 6-ft. cord and plug . . . secondary to female receptacle.

Part No.	Wattage	Overall Dimensions	Mtg. Centers	Weight Net Lbs.	LIST
8M182	80	2 5/8" x 3" x 3 1/8"	2 x 2	4 1/2	\$ 7.30
8M183	150	3 3/8" x 3 5/8" x 4 1/8"	2 1/8 x 2 7/8	6	9.55
8M184*	300	3 1/8" x 4 1/8" x 4 5/8"	3 x 3 1/4	9 1/2	12.15
8M185*	500	3 1/8" x 4 1/8" x 4 5/8"	3 1/2 x 3 1/4	12	18.25
8M186*	1000	4 1/2" x 4 3/8" x 5 3/8"	3 1/8 x 4 1/2	20 1/2	35.50

PRIMARY 235 VOLTS — SECONDARY 117 VOLTS

*Primary has 3 taps at 200, 220 and 240 volts; Secondary 117 volts.

GENERAL TRANSFORMER CORPORATION

MAKERS OF BETTER ELECTRICAL PRODUCTS FOR 20 YEARS

ELECTROX "Master" BATTERY ELIMINATOR

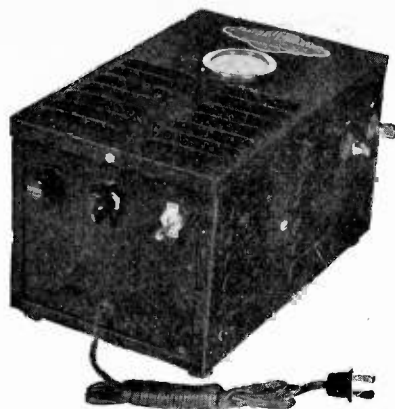
Today's Outstanding D.C. Power Supply Unit, the ELECTROX, Model AR-2, provides the ultimate in humless Direct Current for all-around servicing and demonstrating automobile radios and for all similar applications.

It will operate practically any type or size of automobile radio—whether push button or manually tuned.

It delivers 6 volts of Direct Current free of hum; (less than 3% ripple).

Its D.C. output is adjustable—smooth, humless Direct Current, at the correct voltage is delivered to the individual radio being operated.

Turning the rheostat adjusts the output to 6 volts for any load current between 3 and 15 amperes. This is indicated by the easily read voltmeter located on top of the case. Made by instrument craftsmen to give dependable, trouble-free service.



Model AR-2

Overall Dimensions—11½" long, 7¼" wide, 6⅞" high.

Weight—20 pounds.

A.C. Input—115 volts, 1 phase, 60 cycle.

D.C. Output—6 volts, at from 3 to 10 amperes, continuous rating; and from 10 to 15 amperes, intermittent; selectively determined. Negligible hum level, (less than 3% ripple).

Voltmeter—accurate; mounted on top of case for visibility.

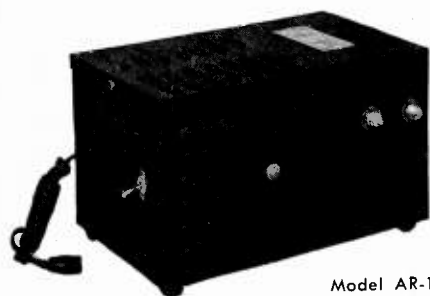
Cartridge-type Fuse—easily accessible from outside of case.

Toggle Switch—for A.C. current supply.

Long-life Selenium Rectifier; Condenser; Transformer; Filter Choke.

6 ft. A.C. cord and plug. Wing nut binding posts for connecting DC. leads. Rubber feet.

Steel case—attractive, metallic-brown finish.



Model AR-1

ELECTROX "Standard" BATTERY ELIMINATOR

ELECTROX, Model AR-1, is a practical, low-cost D.C. power-supply unit for servicing and demonstrating automobile radios. It is an exceptionally high-grade battery eliminator—compact, rugged, dependable. It delivers Direct Current with very low ripple component, but does not have the adjustable output features embodied in the ELECTROX "Master", Model AR-2.

Overall dimensions—11½" long by 7¼" wide by 6⅞" high. Weight—20 pounds.

A.C. input—115 volts, 1 phase, 60 cycle.

D.C. output—6 volts at approximately 15 amps, low ripple component.

Equipped with six foot A.C. cord and plug. Heavy binding posts are provided for connecting D.C. leads.

Toggle switch for "ON and OFF."

Cartridge type fuse—easily accessible from outside of case.

Equipment—Condenser, transformer, filter choke, Selenium rectifiers, rubber feet.

Finish—Attractive, well ventilated steel case.

ELECTROX BATTERY BOOSTERS

Designed for safely recharging single storage batteries—small, compact, light in weight but strong. Can be set on floor, shelf or counter or hung on wall. Under ordinary conditions, will recharge battery overnight.

Rectifiers are rugged, long-life Selenium. Ammeter is located in front of case and is easily read. A circuit breaker is supplied to protect against shorts and overloads, having a reset button conveniently located in the front of the case. Complete with 6 ft. A.C. cord and plug, and 5 ft. cord with battery clips for easy connection to batteries. Size: 6¼" x 6" x 7¼".

MODEL BX ELECTROX BATTERY BOOSTER, capacity 6 amperes.

MODEL CX ELECTROX BATTERY BOOSTER, capacity 10 amperes.

MODEL CX has 2/3 more charging capacity than the Model BX at less than 1/3 higher cost.



Model BX

RECTIFIER DIVISION

THE SCHAUER MACHINE CO. •

Carter

Genemotor

The oldest name in Rotary Power Supplies for Mobile Radio

THE ORIGINAL CARTER GENEMOTOR FOR POLICE-TAXICAB-MARINE AND SMALL AIRCRAFT MOBILE COMMUNICATIONS

OUTSTANDING FEATURES

SMALL SIZE —

Simplicity of design permits minimum mounting space.

RELIABILITY —

Designed to deliver over 100,000 ten second transmissions without servicing for most mobile applications.

INSTANT POWER —

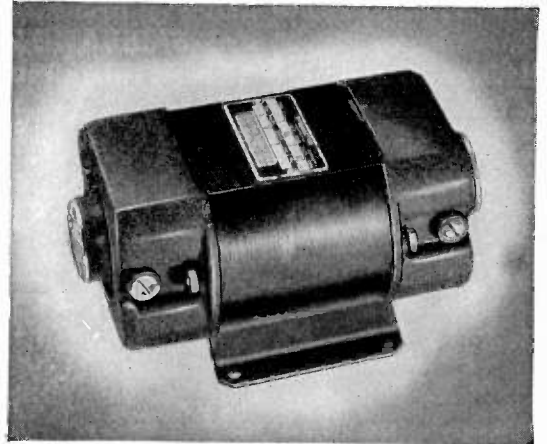
Full output in less than 3/10 seconds. No loss of messages due to Dynamotor sluggishness.

ARMATURE —

Finest design incorporates transformer laminations, triple insulated wire. Static and dynamically balanced. Diamond-Finished commutators.

VERSATILE —

Carter Genemotor available in any input voltage from 5.5 to 115 volt DC.



3" FRAME GENEMOTOR—7 1/8" LONG, 4 1/8" WIDE, 3 1/2" HIGH, WEIGHT 10 LBS.

SPECIFICATIONS

1 1/2" Frame Genemotor—

5-9/16" long, 4 1/8" wide, 3 1/2" high, weight 7 lbs.

Code No.	DC Input Volts	DC Input Amps	DC Output Volts	DC Output MA	Duty	List Price
210A	6	6	200	100	Con.	\$44.00
251A	6	7.9	250	100	Con.	\$47.00
351A	6	10.9	350	100	Con.	\$49.00

2" Frame Genemotor—

6 1/8" long, 4 1/8" wide, 3 1/2" high, weight 8 lbs.

355V	5.5	18.0	350	150	Con.	\$54.50
355A	6.0	16.4	350	150	Con.	\$52.00
415V	5.5	20.0	400	150	Con.	\$56.50
415A	6.0	18.2	400	150	Con.	\$54.00

3" Frame Genemotor (illustrated)—

7 1/8" long, 4 1/8" wide, 3 1/2" high, weight 10 lbs.

420A	6.0	23.4	400	200	Con.	\$57.50
420V	5.5	25	400	200	Con.	\$60.00
425BS	12.0	12.8	400	225	Int.	\$59.50
450AS	6.0	28	400	250	Int.	\$58.00
4037AS	6.0	41	400	375	Int.	\$68.00
4228VS	5.5	35	420	280	Int.	\$64.50
520AS	6.0	28	500	200	Int.	\$59.00
520VS	5.5	31	500	200	Int.	\$61.50
5925AS	6.0	42	590	250	Int.	\$70.00
617V	5.5	30	600	170	Int.	\$60.00
620AS	6.0	29.5	600	200	Int.	\$64.50
624VS	5.5	46	600	240	Int.	\$67.80
650AS	6.0	39.0	600	250	Int.	\$67.80

The Carter Original Genemotor is the result of over 15 years continuous improvement of design, performance and dependability. Unequaled power for most Police, Marine, Taxicab, Forestry, and small aircraft two-way mobile radio equipment.

The 1 1/2" Frame Genemotors are the lowest cost Dynamotors available for mobile radio receiver operation. Equipped with oil-less bronze sleeve bearings, lubricated for the life of the unit. The 2" Frame Genemotors are also sleeve bearing equipped and are designed for mobile Public Address amplifier operation. The 3" Frame Genemotors fulfill the majority of mobile transmitter requirements. Ball bearing equipped, this model furnishes dependable power to more mobile equipment than any other Dynamotor Power Supply.

Average efficiency 60%, voltage regulation load to no load 25%, ripple 1% unfiltered.

FILTERS—STARTING RELAYS

FILTERS—

Any of the above Carter Genemotors can be furnished with complete filter mounted in metal box mounted below unit. Add "X" to end of code number and following prices. 1 1/2" and 2" Frame Genemotor models, \$24.00 list, 3" Frame Genemotor models, \$25.00 list.

STARTING RELAYS—

Heavy Duty solenoid contactor starting relays are available for 5.5, 6, 12, 24, 28, 32 and 115 volt DC input. Add "R" to end of code number and \$8.00 to list price (Relay draws 1.3 amps at 6 volts).

DUTY RATINGS—

Intermittent duty shall be considered 10 seconds on 20 seconds off. Continuous duty is considered 24 hours per day.

INPUT VOLTAGES—

Any Carter Genemotor can be supplied for special input voltages other than 6 volts. For 5.5, 12, 24, 28, 32 or 64 volt input add \$2.50 to list. For 115 volt DC input add \$3.50 to list.

MARINE IMPREGNATION—

Special Marine Impregnation available on all Genemotor models upon request, add \$2.00 to list price.

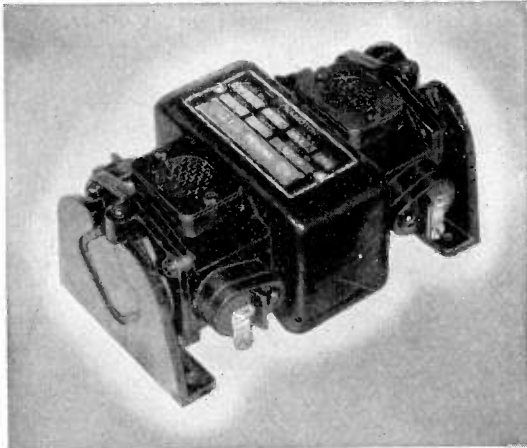
See replacement parts reference chart page for other special models, parts and prices.

Carter

Magmotor

The oldest name in Rotary Power Supplies for Mobile Radio

THE CARTER MAGMOTOR FOR POLICE-TAXICAB-MARINE AND AIRCRAFT RADIO RECEIVERS-GEOPHYSICAL AND RESEARCH ELECTRONIC EQUIPMENT



CARTER MAGMOTOR—5 $\frac{3}{8}$ " LONG, 3-11/16" WIDE,
2 $\frac{1}{2}$ " HIGH, WEIGHT 4 $\frac{3}{4}$ LBS.

special order in extended shaft models as AC or DC generators for 30 watt continuous duty and 50 watt intermittent duty. Special Geophysical models possess high humidity impregnation at no extra cost.

OUTSTANDING FEATURES

ALNICO FIELDS—

Eliminates field coils and increases efficiency.

SMALL SIZE—

Compact design permits minimum mounting space.

MOUNTING—

Rigid mounting furnished. Rubber shock mounting as illustrated available upon request at no extra cost.

FLEXIBILITY—

Extended shafts available for small power take off. Also available as an AC or DC external driven Generator.

CARTER MAGMOTOR is the ideal Rotary Power Supply for Police and Taxicab receivers. PM fields reduce size and increase efficiency. Normal brush life of 2000 to 3000 continuous running hours on models up to 25 watts output. Intermittent duty models are designed for transmitter operation as well as geophysical and research applications. Ball bearing equipped. Average efficiency of receiver types 50%, transmitter types to 65%. Output voltage regulation 20%. AC ripple 1% unfiltered. The Magmotor is also available on

CARTER MAGMOTOR

5 $\frac{3}{8}$ " long, 3-11/16" wide, 2 $\frac{1}{2}$ " high, weight 4 $\frac{3}{4}$ lbs.

Code No.	Volts	DC Input	Amps	Volts	DC Output	MA	Duty	List Price
MV1865	5.5		5	180		65	Con.	\$46.00
MA250	6		4.3	250		50	Con.	\$48.50
MV280	5.5		5.8	200		80	Con.	\$48.00
MA265	6		5.4	250		65	Con.	\$49.00
MA251	6		8	250		100	Con.	\$50.50
MB251	12		3.8	250		100	Con.	\$53.00
MA301	6		9.5	300		100	Con.	\$51.00
MB301	12		4.6	300		100	Con.	\$53.50
MA351	6		10.3	350		100	Con.	\$52.00
MAS355	6		15	350		150	Int.	\$53.00
MAS320	6		19	300		200	Int.	\$55.00
MVS415	5.5		19	400		150	Int.	\$57.50
MBS415	12		8.5	400		150	Int.	\$57.50

AC AND DC GENERATORS—

The Magmotor is available on special order for AC output up to 220 volts at 120 cycles. DC output up to 400 volts 30 watts continuous, 50 intermittent, depending upon armature speed.

EXTENDED SHAFTS—

Available on all Magmotor models add "S" to end of code number and \$5.00 to list.

FILTERS—

Available on all Magmotor models, Add "X" to code number and \$24.00 to list.

STARTING RELAYS—

Low power models seldom require starting relays because of low drain consumed. Heavy Duty solenoid contactor relays recommended on high output models. Add "R" to code number and \$8.00 to list for 6, 12, 24, 28, 32 or 115 volt DC relay. (6 volt relay draws 1.3 amps.)

INPUT VOLTAGES—

All Magmotors can be supplied for special input voltages other than 6 volts. For 5.5, 12, 24, 28, 32, 64 volt input add \$2.50 to list. For 115 volt DC input, add \$3.50 to list.

DUTY RATINGS—

Intermittent duty shall be considered 10 seconds on 20 seconds off. Continuous duty, 24 hours per day.

MARINE IMPREGNATION—

Available on all Magmotors upon request, add \$2.00 to list. Furnished on Geophysical models as standard feature.

MOUNTINGS—

Rigid type mountings furnished as standard base. Rubber shock mounts available upon request at no extra cost.

Carter

Super Dynamotor

The oldest name in Rotary Power Supplies for Mobile Radio

THE CARTER SUPER DYNAMOTOR FOR AIRCRAFT, MARINE, POLICE AND RAILROAD COMMUNICATIONS

OUTSTANDING FEATURES

ARMATURE —

Triple insulated windings. Additional silk insulation on models over 600 volts. Transformer grade laminations. Static & Dynamically balanced.

ONE PIECE FRAME —

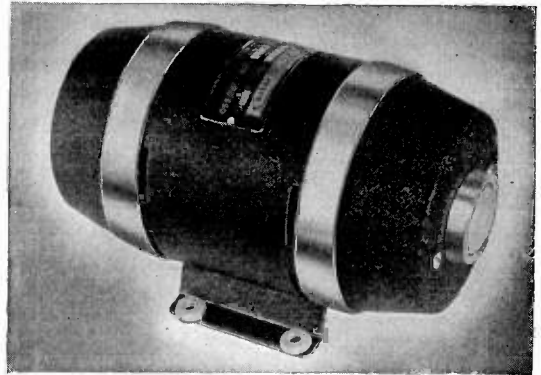
Exclusive cast frame simplifies construction and reduces losses.

COMMUTATORS —

Hard drawn silver alloy copper segments, diamond finished.

BRUSHES —

Engineered for long brush and commutator life, beryllium springs.



SUPER DYNAMOTOR—8¼" LONG, 4½" HIGH,
WEIGHT 11¾ LBS.

The Super Dynamotor is designed for larger mobile transmitters requiring 150 to 250 watts of Dynamotor power. Specified by leading Airlines, Marine and Police mobile communication manufacturers. Constructed of finest materials and designed to withstand heavy overloads. Triple insulated and baked to assure dependable operation at high voltages. Triple or Quadruple insulated silk covered windings are used above 600 volts output to afford maximum insulation. Average efficiency, 65%, voltage regulation 25% or less, 1% AC ripple unfiltered. Cast aluminum mounting base less grommets supplied.

SUPER DYNAMOTOR

8¼" long, 4½" wide, 4¾" high, weight 11¾ lbs.

Code No.	Volts DC Input	Amps	Volts DC Output	MA	Duty	List Price
AF450	6	27	400	250	Con.	\$63.00
CFS550	32	13.5	500	500	Int.	\$89.00
CFS5540	32	10.9	550	400	Int.	\$89.00
CFS5550	32	14	550	500	Int.	\$90.00
DFS5550	115	4	550	500	Int.	\$91.00
VFS630	5.5	56	600	300	Int.	\$86.50
VFS627	5.5	50	600	270	Int.	\$84.00
BFS6530	12	26	650	300	Int.	\$88.50
CFS6530	32	9.5	650	300	Int.	\$88.50
VFS820	5.5	50	800	200	Int.	\$90.00
CFS820	32	9	800	200	Int.	\$90.00

HIGH VOLTAGE SUPER DYNAMOTOR

10¼" long, 4½" wide, 4¾" high, weight 18 lbs.

Code No.	Volts DC Input	Amps	Volts DC Output	MA	Duty	List Price
CS7550	32	18	750	500	Int.	\$118.00
DS7550	115	6	750	500	Int.	\$119.00
BS1150	12	19	1000	150	Int.	\$100.00

FILTERS —

Available on all Super Dynamotors. Add "X" to Code Number and \$30.00 to list.

STARTING RELAYS —

Heavy duty solenoid contactor relays available for 12, 24, 28 and 32 and 115 volt DC input. Add "R" to Code Number and \$8.00 to list.

INPUT VOLTAGES —

Super Dynamotors available in 6 volt (if current

drawn permits) and 12, 24, 28, 32, 64 volt. Add \$2.50 to list. Add \$3.50 to list for 115 volt DC input.

DUTY RATINGS —

Intermittent duty shall be considered 10 seconds on, 20 seconds off. Continuous duty, 24 hours per day.

MARINE IMPREGNATION —

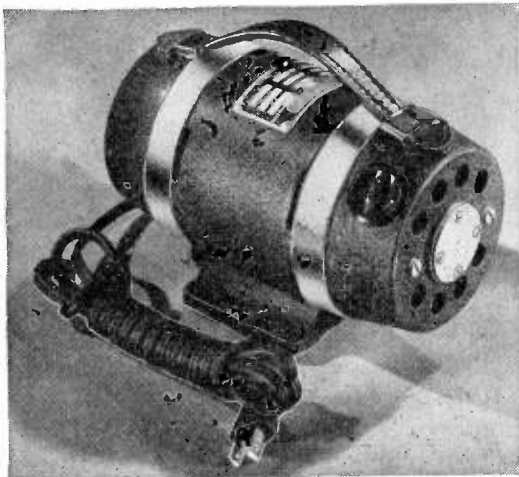
Available on all Super Dynamotors upon request, add \$2.00 to list. Furnished on Marine models as standard feature.

Carter

Super Converter

The oldest name in Rotary Power Supplies for Mobile Radio

CARTER SUPER CONVERTER—Changes DC to AC for Amplifiers - Radios - High Power Factor equipment



CARTER SUPER CONVERTER, LESS FILTER, 8 1/4" LONG, 4 1/2" WIDE, 5" HIGH, WEIGHT 13 LBS.

Wherever DC to AC Conversion is necessary, the Carter Super Converter provides an efficient and reliable source of AC power. Standard models are designed for high power factor, non-inductive AC loads such as amplifiers, radio receivers, (requires filtered converter), etc. Ball bearing equipped, 3600 RPM. CAUTION: Standard Super Converters will not satisfactorily operate inductive loads such as AC motors, low power factor transformers, etc.

Manually operated frequency controlled Converters available on special order. Maintain 60 cycle output with a + or - 10% input voltage fluctuation.

Special custom-matched Converters are also available for Wire and Tape Recorders, Sound Projectors, 7" Television Receivers, etc. See Carter Selector Chart on next page.

Overall efficiency 60% AC voltage regulation 15%.

HEAVY DUTY SUPER CONVERTER

10 1/4" long, 4 1/2" wide, 5" high, weight 19 lbs.

Code No.	DC Input Volts	Input Amps	AC Output Volts	60 cy. (Watts)	Type Duty	List Price
D1020C	115	2.6	114	200	Con.	\$74.00
D1025C	115	3.2	115	250	Con.	79.00
H1020C	64	4.8	115	200	Con.	76.50
H1025C	64	5.3	115	250	Con.	81.50
C1020C	32	10	115	200	Con.	76.50
C1025C	32	12	115	250	Con.	81.50
J1020C	28	12	115	200	Con.	76.50
J1025C	28	14	115	250	Con.	81.50
E1020C	24	15	115	200	Con.	76.50
E1025C	24	19	115	250	Con.	81.50
B1020C	12	30	115	200	Con.	76.50
B1025C	12	34	115	250	Con.	81.50

OUTSTANDING FEATURES

SMALL SIZE

Smallest Rotary Converter. Lightweight.

CARRYING HANDLE

Easier to carry, no more "juggling" with a hot unit.

OUTPUT RECEPTACLE

Convenient plug in AC outlet.

ARMATURE

Double wound, insulated ungrounded winding. Built-in cooling fan.

BALL BEARINGS

Sealed ball bearings require no lubrication or attention for life of unit.

SPECIFICATIONS

Carter Super Converter, 40 to 150 watt models
8 1/4" long, 4 1/2" wide, 5" high, weight 13 lbs.
High power factor, 85 to 100%. Less filter.

Code No.	DC Input Volts	Input Amps	AC Output Volts	60 cy. Volt-Amps (Watts)	Type Duty	List Price
D1040C	115	.7	115	40	Con.	\$58.00
D1060C	115	1	115	60	Con.	58.50
D1080C	115	1.1	115	80	Con.	59.00
D1010C	115	1.7	115	100	Con.	60.00
D1015C	115	2.0	115	150	Con.	65.00
H1040C	64	1.5	115	40	Con.	60.50
H1060C	64	2	115	60	Con.	61.00
H1080C	64	2.2	115	80	Con.	61.50
H1010C	64	2.5	115	100	Con.	62.50
H1015C	64	3.4	115	150	Con.	67.50
C1040C	32	3	115	40	Con.	60.50
C1060C	32	4	115	60	Con.	61.00
C1080C	32	5	115	80	Con.	61.50
C1010C	32	5.5	115	100	Con.	62.50
C1015C	32	7.4	115	150	Con.	67.50
J1040C	28	3	115	40	Con.	60.50
J1060C	28	4	115	60	Con.	61.00
J1080C	28	5.2	115	80	Con.	61.50
J1010C	28	7	115	100	Con.	62.50
J1015C	28	9	115	150	Con.	67.50
E1040C	24	3.5	115	40	Con.	60.50
E1060C	24	4.3	115	60	Con.	61.00
E1080C	24	6	115	80	Con.	61.50
E1010C	24	8.3	115	100	Con.	62.50
E1015C	24	10	115	150	Con.	67.50
B1040C	12	8	115	40	Con.	60.50
B1060C	12	10	115	60	Con.	61.00
B1080C	12	14	115	80	Con.	61.50
B1010C	12	15	115	100	Con.	62.50
B1015C	12	23	115	150	Con.	67.50
A1040C	6	15	115	40	Con.	60.50
A1060C	6	19	115	60	Con.	61.00
A1080C	6	25	115	80	Con.	61.50
A1010C	6	27	115	100	Con.	62.50
A1015C	6	40	115	150	Con.	67.50

FILTERS—Available on all Super Converters. Eliminates Converter noise on most frequencies from 560 KC to 54 MC. Filter mounted in cast aluminum housing below Converter. Add "X" to Code Number and \$25.00 to list.

FREQUENCY CONTROL—Manually operated frequency control available on all models. Complete with vibrating reed meter, and rheostat control in aluminum housing. Add \$60.00 to list.

VOLTAGE-FREQUENCY—220 volt output or 50 cycle available on special order. Add \$5.00 to list for each.

See Carter Selector Chart for Wire and Tape recorder, 7" Television receivers, etc., custom-matched Converters.

Carter

Selector Chart

The oldest name in Rotary Power Supplies for Mobile Radio

Whenever DC to AC Rotary Converters are used to power wire or tape recorders and other similar recording equipment, output frequency must be perfectly matched to assure proper playback performance. All of the equipment listed has been laboratory-tested and Carter Converters custom-designed for each model. Use this Chart to select the Converter designed for each model. Prices of Selector Chart Converters are the same as standard models of similar code number.

Code letter "W" indicates a recorder type Converter.

Average efficiency 60%. Voltage regulation 15%. 70% Power Factor on wire and tape recorder models. Converters require NO FILTER, except when recorders have radio receivers.

FOR WIRE AND TAPE RECORDERS

Equipment Make & Model	Super Converter DC Input & Price			Size Weight
	6 Volt	12 V.	115 V.	
AirKing #750 Crescent C1000A Harrison Webster #7-78-178 Webster #80-180 Wilcox Gay Recordio #8U12 WireWay	A1060CW \$61.00	B1060CW \$61.00	D1060CW \$58.50	8¼" x 4½" x 5" Weight 13 lbs.
Soundsciber	A1060C \$61.00	B1060C \$61.00	D1060C \$58.50	8¼" x 4½" x 7½" Weight 15 lbs.
Pentron Astrasonic #748 Wiretone MR-6	A1060CWX With filter \$86.00	B1060CWX With filter \$86.00	D1060CWX With filter \$83.50	8¼" x 4½" x 7½" Weight 15 lbs.
Brush BK411-414 Crestwood CP201 Peirce #55B, 260, 265, 270 RCA	A1080CW \$61.50	B1080CW \$61.50	D1080CW \$59.00	8¼" x 4½" x 5" Weight 13 lbs.

HEAVY DUTY SUPER CONVERTER

Brush BK401 Brush BK403 Magnecord PT6-A-PT6P PT6-PS Webster-Racine Ekotape	A1010CW4 \$70.00	B1010CW4 \$70.00	D1010CW \$60.00 D1012CW \$60.50	6 & 12 volt 10¼" x 4½" x 5" Weight 19 lbs. 115 volt 8¼" x 4½" x 5" Weight 13 lbs.
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16 MM SOUND PROJECTORS

Ampro Premier 20 Bell & Howell #179 DeVry Super #16 Victor Liteweight Victor Triumph 60			D1015C \$65.00	8¼" x 4½" x 5" Weight 13 lbs.
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PORTABLE TRANSCRIPTION PLAYERS

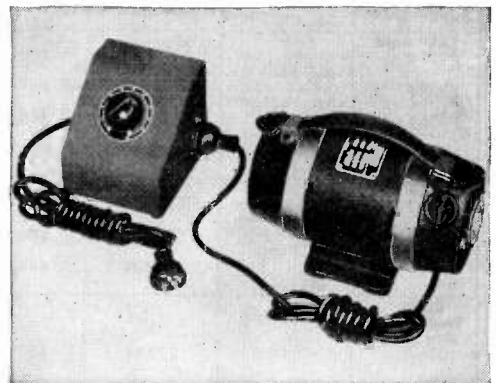
Optron MC364D Victor Sonomaster			D1060C \$58.50 D1015C \$65.00	8¼" x 4½" x 5" Weight 13 lbs.
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FOR 7" TELEVISION RECEIVERS

Popular 7" TV Receivers can now be operated from 6-12 or 115 Volt DC input with the new Carter TV Converter, designed especially for TV operation. Exclusive "Picture Control" assures steady "wave-free" reception from 110 to 135 volts DC input on 115 volt models. Clean Converter AC wave form requires NO filtering. Equal to AC reception.

SPECIFICATIONS

TV Receiver Make & Model	Carter Converter DC Input		
	6 V.	12 V.	115 V.
Admiral Hallicrafters T-54-505 T-55-507 Motorola VT71, VT73 National TV-7-TV-7W and other similar 7" models 125 watt or less	A1010CT \$72.00	B1010CT \$72.00	D1010CT \$69.50



CARTER SUPER CONVERTER MODEL D1010CT
WITH PICTURE CONTROL, 8¼" LONG,
4½" WIDE, 5" HIGH. WEIGHT 15 LBS.

Carter

Replacement Parts Reference Chart

The oldest name in Rotary Power Supplies for Mobile Radio

REPLACEMENT PARTS REFERENCE CHART

Use this handy chart for ordering the correct CARTER Replacement Dynamotor or Replacement parts. All parts guaranteed to conform to original manufacturer's specifications.

Mfg. Model No.	Frequency	Carter Model No.	List Price	Carter Armature No.	Armature List Price	Input Brushes & List Per Set	Output Brushes & List Per Set	Ball Bearings & List Per Each
Doolittle PFY-2 PFY-2A PFY-3 PFY-3A PFY-12	30-40 MC-FM	4726VS	\$62.50	233-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50
	152-162 MC-FM	4726VS	\$62.50	233-2	\$30.00	No. 7 \$1.20	No. 2 80c	
Federal FT-125-B- 25AZ FT-110- 25AZ FT-110- 50AZ	152-162 MC-FM	4037AS	\$68.00	179-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50
	30-44 MC-FM	5915AS	\$60.00	252-2	\$30.00	No. 7 \$1.20	No. 2 80c	
	30-44 MC-FM	5925AS	\$70.00	261-2	\$30.00	No. 7 \$1.20	No. 2 80c	
General Electric MC202	152-162 MC-FM	MVS415 Transmitter	\$57.50	360-4	\$27.25	No. 18 \$1.20	No. 9 80c	37KVL \$2.50
		MA251 Receiver	\$50.50	300-6	\$26.00	No. 23 \$1.20	No. 9 80c	
	30-44 MC-FM	617V	\$60.00	279-2	\$30.00	No. 7 \$1.20	No. 2 80c	
		624VS	\$67.80	309-2	\$30.00	No. 7 \$1.20	No. 2 80c	
Harvey 505 506 542	30-44 MC-FM	620VS	\$67.00	307-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50
	152-162 MC-FM	620VS	\$67.00	307-2	\$30.00	No. 7 \$1.20	No. 2 80c	
Kaar FM50X FM100X PTL-46X FM-175X	30-44 MC-FM	6175VS early model 530VS late model VSF820	\$62.00 \$65.00 \$90.00	278-2 360-2 360-2	\$30.00 \$40.00 \$40.00	No. 7 \$1.20 No. 30 \$1.20 No. 30 \$1.20	No. 2 80c No. 14 80c No. 14 80c	37KVL \$2.50 38KVL \$2.50 37KVL \$2.50
	152-162 MC-FM	4232VS	\$66.50	231-2	\$30.00	No. 7 \$1.20	No. 2 80c	
Mobile Communi- cations (Taxi- Talkie) MFM-25- 150 MFM-25- 150B	150-170 MC-FM	450AS	\$58.00	175-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50
	150-170 MC-FM	520AS	\$59.00	208-2	\$30.00	No. 7 \$1.20	No. 2 80c	
Motorola P8050 P8051 P8051 P8317	30-44 MC-FM	617V	\$60.00	279-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50 38KVL \$2.50 37KVL \$2.50
	30-44 MC-FM	624VS	\$67.80	309-2	\$30.00	No. 7 \$1.20	No. 2 80c	
	30-44 MC-FM	VSF630	\$86.50	276-2	\$40.00	No. 30 \$1.20	No. 14 80c	
	152-162 MC-FM	4228VS	\$64.50	207-2	\$30.00	No. 7 \$1.20	No. 2 80c	
RCA M1-7771A M1-31514 M1-7772A	30-44 MC-FM	6175VS	\$62.00	278-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50 38KVL \$2.50
	152-162 MC-FM	3732VS	\$66.00	176-2	\$30.00	No. 7 \$1.20	No. 2 80c	
	30-44 MC-FM	VSF627	\$84.00	274-2	\$40.00	No. 30 \$1.20	No. 14 80c	
Radio Specialties Mfg. Co. 1096-1-1		520AS	\$59.00	208-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50
Wilcox Electric 358A	152-162 MC-FM	4228VS	\$64.50	207-2	\$30.00	No. 7 \$1.20	No. 2 80c	37KVL \$2.50

Above Prices Subject to Distributor's Discount.

RADIART VIBRATORS

RADIART AERIALS

RADIART VIPOWERS



LIST PRICES CURRENT RADIART VIBRATORS

Showing vibrator numbers formerly specified for these applications

5300 SERIES vibrator types are Standard Automotive and Household Non-Synchronous units. They are stocked by all RADIART Distributors who carry a complete line.

5400 SERIES vibrator types are Standard Automotive and Household Synchronous units. They are stocked by all RADIART Distributors who carry a complete line.

Light face numbers are discontinued types replaced by current models indicated. See your RADIART REPLACEMENT GUIDE for most complete listing published. Ask your jobber for your free copy!

Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price
5300	\$4.45	5314	\$4.45	5335	\$4.45	5400	\$7.00	5413	\$7.00	5429	\$8.30
5311M		5320P	4.45	5334		3850, 4501		5413-4	7.00	4501, 4611	
5300-32	6.50	3417		5342M	3.75	5404	7.00	5415		5431	7.75
3395		5321	4.45	5340M		5406	7.00	5416		5434	7.00
5301	4.45	5323P	3.75	5343M	5.75	4255II, 4414		3283, 4502	8.30	5435	7.00
5327P		3320, 5322P		3815		5407	7.00	5421	7.00	4318	
5303	4.45	5326P	3.75	5363	5.75	5408	7.00	5422	7.75	5435-4	7.00
5339		5325P		2819, 2867, 3227, 3313, 3375, 3442		5409	7.00	4608		5427	
5304	5.75	5328P-32	8.30	5366	5.75	5409-4	7.00	5425	8.30	5436	7.00
3786		4319		3223, 3226, 3263, 3356, 4320, 5312		5410	7.00	3461, 4613, 4614		5433	
5307	4.45	5331	4.45	5367-32	7.00	5411	7.00	5426	7.00	5437	7.00
5308	5.75	5333	4.45	3503, 4314		5420P, 5428				5438	7.00
5309	4.45									5440	7.75
										3883	
										5443	\$7.00
										3739	
										5443-32	7.75
										4404	
										5454	7.00
										5463	8.30
										3308, 3315,	
										3317, 3848,	
										4415, 4500	
										5464	8.30
										3219	
										5468	9.70
										5469	8.90

5500 SERIES vibrator types are Special Application Non-Synchronous units. These are stocked by RADIART Distributors in accordance with local requirements. They are available for immediate shipment from the Factory. Order through your local distributor.

5600 SERIES vibrator types are Special Application Synchronous units. These are stocked by RADIART Distributors in accordance with local requirements. They are available for immediate shipment from the Factory. Order through your local distributor.

Light face numbers are discontinued types replaced by current models indicated. See your RADIART REPLACEMENT GUIDE for most complete listing published. Ask your jobber for your free copy!

Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price
5503-12	\$7.00	5506	\$6.50	5515	\$6.25	5604	\$8.30	5605-32	\$9.05	5607-32	\$9.05
4253-12, 4256-12, 5300-12		4256		4253, 5313, 5500, 5503		4505		4255-32, 4258-32		4257-32	
5503-32	7.00	5510	6.50	5516	6.25	5605	7.75	4257	7.75	5609-12	9.05
4253-32, 4256-32		5511-12	7.00	4251H, 5501		4255-12, 4258-12, 5406-12		5607-12	9.05	5409-12	
5504P	5.75	5513-12	7.00	5517-12	7.00			4257-12		5610-12	7.00
5324P		5514-4	7.00	5518	6.25					5365, 5439	7.75
										5610-12	7.75
										5439-12	
										5620	7.00

CURRENT RADIART VIPOWERS

RADIART Engineering "KNOW HOW" and RADIART Dependability in an unique line of vibrator-power units. Completely Filtered—R.F. and A.F. Output lines filtered to

a hum level of 50 mv or less. Within the range of 160 KC to 20 MC. R.F. hash is held below 50 microvolts, even less at higher frequencies.

VIPOWER MODEL	INPUT VOLTS D.C. (Nominal)	OUTPUT VOLTS D.C. (Nominal)	OUTPUT MILLIAMPS.	TYPE
451	6.0 or 12.0	250 or 180	60 or 40	Synchronous
452	6.0	300*	100	Synchronous
452-12	12.0	300*	100	Synchronous
453	6.0	300*	100	Non-Synchronous
453-12	12.0	300*	100	Non-Synchronous
454	6.0	300	200	Non-Synchronous
454-12	12.0	300	200	Non-Synchronous
455	6.0	400	150	Non-Synchronous
455-12	12.0	400	150	Non-Synchronous
456	6.0 or 110 V.A.C. 60 Cycle	300*	100	Non-Synchronous
457	6.0	150	40	Synchronous
4201-B2	6.0	250	50	Non-Synchronous

* NOTE:—Tapped at 275V, 250V, 225V.

RADIART VIBRATORS

RADIART AERIALS

RADIART VIPOWERS

VIBRATOR BASE DIAGRAM CROSS INDEX

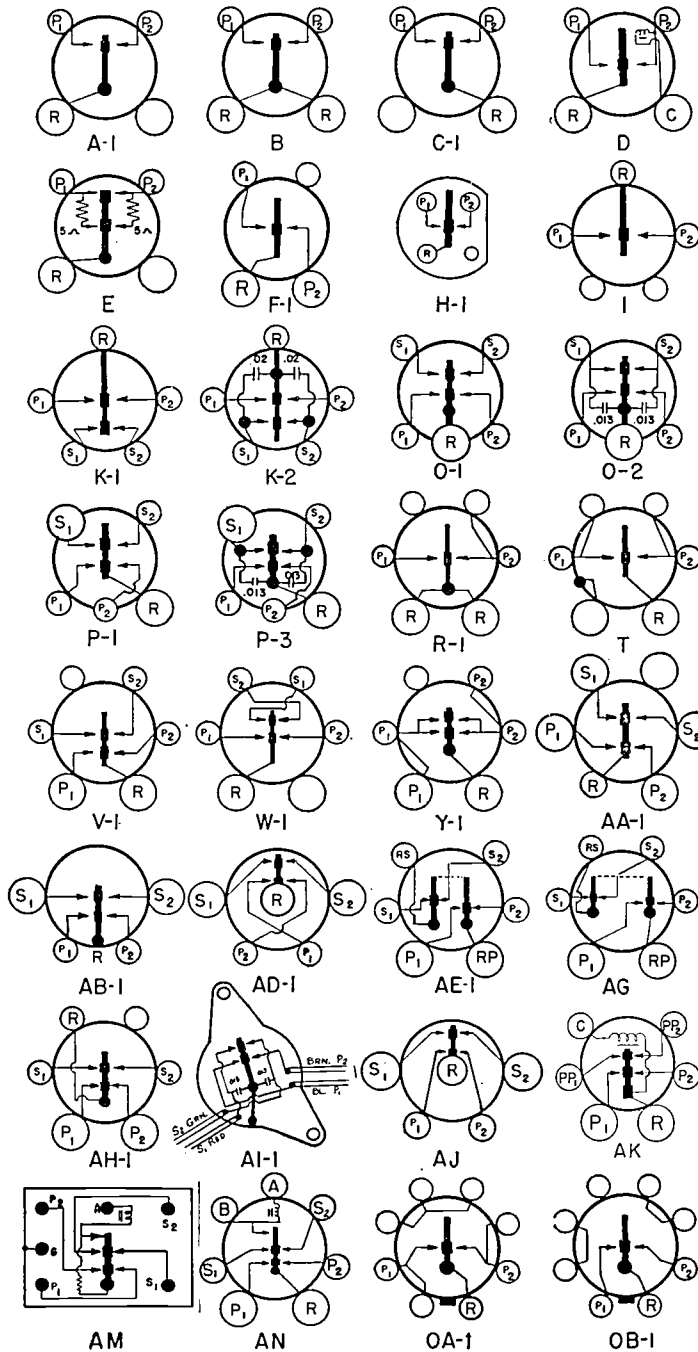


Symbols Used in Vibrator Base Diagrams

- A—A hot line into vibrator.
- B—By-pass for driving point.
- C—External coil lead in shunt vibrator.
- P₁—Primary contact, usually, but not necessarily connected to the magnet coil in shunt vibrators.
- PP₁—Dual primary contact, closed when P₁ is closed.
- P₂—Primary contact, may be the magnet coil connection instead of P₁.
- PP₂—Dual primary contact, closed when P₂ is closed.
- R—Vibrating reed in single-reed vibrators.
- RP—Primary vibrating reed in split-reed vibrators.
- RS—Secondary vibrating reed in split-reed vibrators.
- S₁—Secondary contact, closed when P₁ is closed.
- S₂—Secondary contact, closed when P₂ is closed.

* All dimensions given are in inches.
 † For further information as to Identifying Characteristics, see information given on each Vibrator type in Radiart Replacement Guide.

Radiart Type No.	Base Diagram	Voltage	Frequency	Max. Load	Dia.*	Height
5300	A-1	6	115	6	1 1/2	3 1/8
5300-32	A-1	32	115	1.4	1 1/2	3 1/8
5301	A-1	6	115	6	1 1/2	2 7/8
5303	F-1	6	115	6	1 1/8	3 1/8
5304	I	6	115	6	1 1/4	3 1/8
5307	A-1	6	150	6	1 1/2	3 1/8
5308	E	6	115	6	1 1/2	3 1/8
5309	C-1	6	115	6	1 1/2	2 1/2
5314	A-1	6	115	6	1 1/4	2 3/8
5320P	A-1	6	115	6	1 1/8	3 1/2
5321	A-1	6	115	6	1 1/8	3 1/8
5323P	A-1	6	115	6	1 1/8	4 1/4
5326P	A-1	6	115	6	1 1/2	2 7/8
5328P32	H-1	32	115	1.4	1 1/8	3 1/2
5331	C-1	6	115	6	1 1/2	3 1/8
5333	F-1	6	115	6	1 1/2	3 1/8
5335	F-1	6	115	6	1 1/2	2 7/8
5342M	A-1	6	115	6	1 1/2	2 7/8
5343M	B	6	115	6	1 1/8	4 1/2
5363	LEADS	6	115	4	—	—
5366	R-1	6	115	6	1 1/2	2 7/8
5367-32	T	32	115	1.4	1 1/2	3 1/8
5400	AB-1	6	115	6	1 1/2	3 1/8
5404	AH-1	6	180	6	1 1/2	3 1/8
5406	AD-1	6	115	6	1 1/2	3 1/8
5407	AB-1	6	180	5	1 1/2	3 1/8
5408	AB-1	6	140	6	1 1/2	2 7/8
5409	K-1	6	115	6	1 1/2	3 1/8
5409-4	K-1	4	115	6	1 1/2	3 1/8
5410	O-1	6	115	6	1 1/2	3 1/8
5411	V-1	6	115	6	1 1/2	3 1/8
5413	K-1	6	115	6	1 1/8	3 1/4
5413-4	K-1	4	115	6	1 1/8	3 1/2
5416	K-2	6	115	6	1 1/8	4 1/2
5421	V-1	6	115	6	1 1/8	3 1/2
5422	AE-1	6	115	5	1 1/2	3 1/8
5425	O-2	6	115	6	1 1/8	4 1/2
5426	P-1	6	115	6	1 1/8	3 1/2
5429	P-3	6	115	6	1 1/8	4 1/2
5431	AG	4	115	5	1 1/2	3 1/8
5434	W-1	6	115	6	1 1/8	3 1/2
5435	V-1	6	115	6	1 1/8	3 1/8
5435-4	V-1	4	115	6	1 1/8	3 1/8
5436	V-1	6	180	5	1 1/2	2 7/8
5437	AB-1	6	180	5	1 1/8	2 7/8
5438	AB-1	6	140	6	1 1/2	3 1/8
5440	AB-1	6	115	6	1 1/8	4 1/2
5443	AA-1	6	115	6	1 1/2	3 1/8
5443-32	AA-1	32	115	1.4	1 1/2	3 1/8
5454	AD-1	6	115	6	1 1/2	2 7/8
5463	LEADS	6	115	6	—	—
5464	AI-1	6	115	6	1 1/8	4 1/2
5468	AM	2	115	2	1 1/2 sq.	2 1/8
5469	AN	2	115	2	1 1/8	2 1/8
5503-12	A-1	12	115	6	1 1/2	3 1/8
5503-32	A-1	32	115	2.5	1 1/8	3 1/8
5504P	Y-1	6	115	6	1 1/8	3 1/2
5506	D	6	115	10	1 1/2	3 1/8
5510	OA-1	6	115	10	1 1/2	3 1/8
5511-12	OB-1	12	115	6	1 1/2	3 1/8
5513-12	AK	12	180	3	1 1/2	3 1/8
5514-4	A-1	4	180	5	1 1/2	2 7/8
5515	A-1	6	115	10	1 1/2	3 1/8
5516	A-1	6	115	10	1 1/2	3 1/8
5517-12	V-1	12	180	3	1 1/2	3 1/8
5518	V-1	6	115	10	1 1/2	2 7/8
5604	K-2	6	115	6	1 1/8	4 1/2
5605	AD-1	6	115	10	1 1/2	3 1/8
5605-12	AD-1	12	115	6	1 1/2	3 1/8
5605-32	AD-1	32	115	2.5	1 1/2	3 1/8
5607	AJ	6	180	5	1 1/8	2 3/4
5607-12	AJ	12	180	3	1 1/2	2 3/4
5607-32	AJ	32	180	1.4	1 1/8	2 3/4
5609-12	K-1	12	115	3	1 1/2	3 1/8
5610	V-1	6	115	6	1 1/4	3 1/8
5610-12	V-1	12	115	3	1 1/4	3 1/8
5614-12	AD-1	12	115	4	1 1/2	2 7/8
5615-12	V-1	12	180	3	1 1/2	2 7/8
5615-24	V-1	24	180	1.4	1 1/2	2 7/8
5616	AJ	6	180	5	1 1/2	2 7/8
5616-12	AJ	12	180	3	1 1/2	2 7/8
5620	AB-1	6	115	6	1 1/2	2 7/8



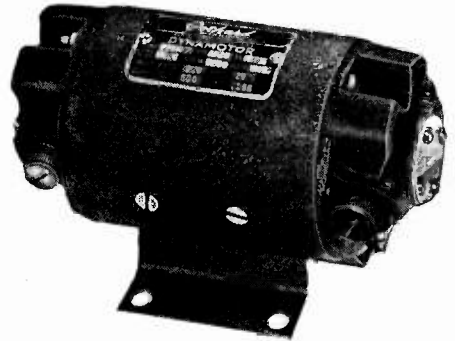
DYNAMOTORS *Gothard* CONVERTERS

GOTHARD DYNAMOTORS

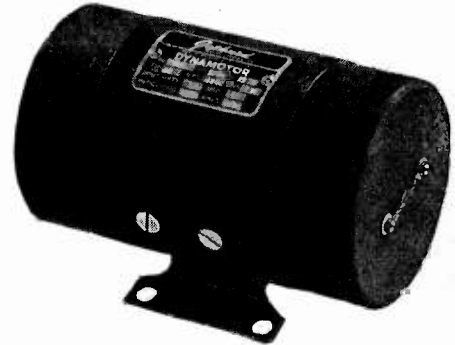
The GOTHARD Model "GP-26" is especially designed and built for Mobile Transmitter applications, intermittent duty. Length 7 $\frac{1}{4}$ ", Diam. 3 $\frac{1}{2}$ ", Height 4", Weight 8 $\frac{1}{4}$ lbs.

INPUT		OUTPUT			Approx. Effie.	App. Reg.	List Price
Volts	Amps.	Volts	MA	Watts			
5.6	24	400	200	80	60%	17%	\$77.00
5.6	26	600	150	90	61%	18%	79.50
5.6	29	400	250	100	61%	19%	79.50
5.6	31	620	170	105	61%	20%	79.50
5.6	33	500	225	112	61%	21%	79.50
5.6	34	420	280	118	62%	22%	79.50
6.0	40	400	375	150	63%	25%	82.00

Also supplied for 12, 14, 24, 28, or 32 Volt input. For continuous duty applications, Models GP-12, GP-17 and GP-26 cover wattage ratings from 20 to 80 Watts. Input voltages 6, 12, 24, or 32. GP-12: Length 5 $\frac{3}{4}$ ", Diam. 3 $\frac{1}{2}$ ", Height 4", Weight 5 $\frac{1}{4}$ lbs. GP-17: Length 6 $\frac{1}{4}$ ", Diam. 3 $\frac{1}{2}$ ", Height 4", Weight 6 lbs. GP Models have steel mounting bases; width 4 $\frac{1}{8}$ ".



MODEL "GP-26" DYNAMOTOR

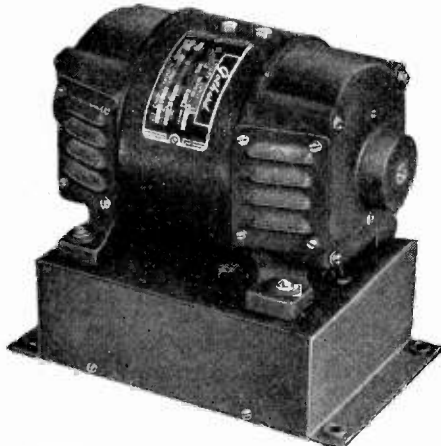


MODEL "SF-20" DYNAMOTOR

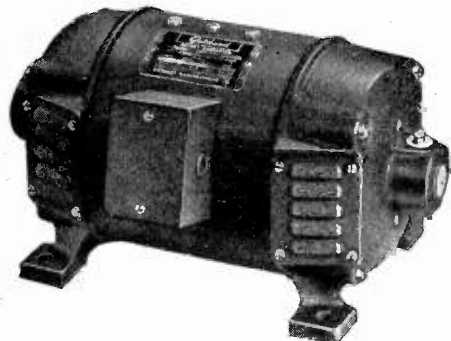
GOTHARD AIRCRAFT DYNAMOTORS

Frame Size	INPUT		OUTPUT		List Price	Length	Diam.	Weight
	Volts	Amps.	Volts	MA				
DS-12	12	2.6	250	60	\$64.00	4 $\frac{3}{4}$ "	2 $\frac{3}{8}$ "	2 $\frac{7}{8}$ "
DS-17	12	3.6	250	90	71.50	5 $\frac{1}{4}$ "	2 $\frac{3}{8}$ "	3 $\frac{7}{8}$ "
SP-12	12	4.0	250	100	80.00	6"	3 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "
SP-17	12	5.2	300	125	87.00	6 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	5 $\frac{5}{8}$ "
SP-22	12	6.4	400	125	91.50	7"	3 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "
SF-20	12	8.4	400	150	104.00	6 $\frac{3}{4}$ "	4"	8 $\frac{1}{2}$ "
SF-25	12	10.	500	150	123.00	7 $\frac{1}{4}$ "	4"	9 $\frac{3}{4}$ "

Above ratings are continuous duty with temperature of 40°C. Also supplied for 6, 14, 24, 28, or 32 Volt input. "SP" and "SF" dynamotors may be supplied in fan-ventilated construction as types "SPF" and "SFF". Prices upon request.



MODEL "AK-15" CONVERTER (With Filter)



MODEL "BK-35" CONVERTER (Less Filter)

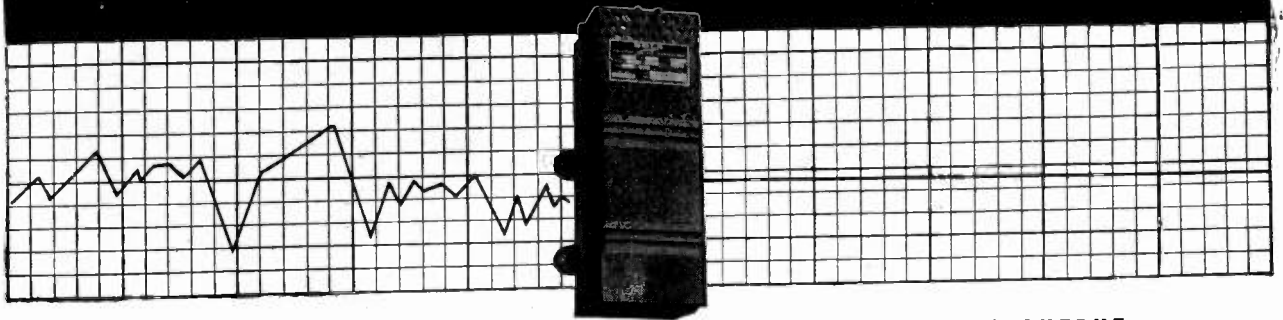
GOTHARD ROTARY CONVERTERS

TYPE "K" 3600 RPM (60 Cycle) • 3000 RPM (50 Cycle)

Type No.	Frame Size	INPUT		OUTPUT at 90% P.F.			App. Net Wt.	List Price
		Volts	Amps.	A.C. Volts	VA at 60 cy.	VA at 50 cy.		
6K11	AK-15	6	36	110	110	90	24 # 6 #	\$79.00 \$96.50
12K11	AK-15	12	18	110	110	90	24 # 6 #	79.00 96.50
12K16	AK-25	12	24	110	160	125	29 # 6 #	106.00 125.00
24K11	AK-15	24	9	110	110	90	24 # 6 #	79.00 96.50
24K20	AK-25	24	14	110	200	160	29 # 6 #	106.00 125.00
24K30	BK-22	24	19.4	110	300	250	38 # 6 #	137.50 154.50
24K50	BK-35	24	30.4	110	500	400	45 # 6 #	159.50 174.50
3K11	AK-15	32	6.2	110	110	90	24 # 6 #	79.00 96.50
3K20	AK-25	32	10.4	110	200	160	29 # 6 #	106.00 125.00
3K30	BK-22	32	14.5	110	300	250	38 # 6 #	137.50 154.50
3K50	BK-35	32	22.0	110	500	400	45 # 6 #	159.50 174.50
3K75	CK-35	32	34	110	750	600	68 # 7 #	193.00 213.00
4K11	AK-15	48	4.4	110	110	90	24 # 6 #	79.00 96.50
4K20	AK-25	48	7.0	110	200	160	29 # 6 #	106.00 125.00
4K30	BK-22	48	9.7	110	300	250	38 # 6 #	137.50 154.50
4K50	BK-35	48	15.2	110	500	400	45 # 6 #	159.50 174.50
4K75	CK-35	48	22.7	110	750	600	68 # 7 #	193.00 213.00
1K11	AK-15	115	1.8	110	110	90	24 # 6 #	79.00 96.50
1K20	AK-25	115	3.0	110	200	160	29 # 6 #	106.00 125.00
1K30	BK-22	115	4.2	110	300	250	38 # 6 #	137.50 154.50
1K50	BK-35	115	6.6	110	500	400	45 # 6 #	159.50 174.50
1K75	CK-35	115	9.4	110	750	600	68 # 7 #	193.00 213.00
1K100	CK-45	115	12.4	110	1000	800	80 # 7 #	249.00 269.00
2K11	AK-15	230	.9	110	110	90	24 # 6 #	82.00 100.00
2K20	AK-25	230	1.5	110	200	160	29 # 6 #	109.00 128.00
2K30	BK-22	230	2.1	110	300	250	38 # 6 #	141.00 157.50
2K50	BK-35	230	3.3	110	500	400	45 # 6 #	163.00 179.50
2K75	CK-35	230	4.7	110	750	600	68 # 7 #	196.50 216.50
2K100	CK-45	230	6.2	110	1000	800	80 # 7 #	252.00 272.00

Also supplied for Marine Type Filter, 220 Volt A.O. Output, and automatic frequency control. Prices upon request.

Constant Voltage Transformers



FLUCTUATING LINE VOLTAGE

SOLA
CONSTANT
VOLTAGE
TRANSFORMER
TYPE 3



Constant Voltage Transformers are designed to provide a constant output voltage which is unaffected by changes in input voltage. Stabilization is instantaneous and automatic and there are no moving parts. Constant Voltage Transformers also provide isolation between input and output circuits. Low output voltage wave distortion and small size make these transformers especially attractive for use with all types of electronic equipment.

CONSTANT OUTPUT VOLTAGE

SOLA
CONSTANT
VOLTAGE
TRANSFORMER
TYPE 1



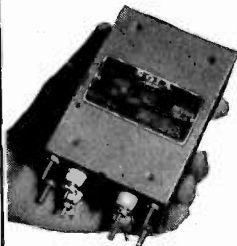
SOLA
CONSTANT
VOLTAGE
TRANSFORMER
TYPE 21



SOLA
CONSTANT
VOLTAGE
TRANSFORMER
TYPE 2



FOR CHASSIS MOUNTING



TYPE 11

Output capacities up to 15 VA, with output at either 6.3 volts or 115 volts. Both types are immersion proof and capable of tropical service. Type 12 furnished with separate condenser. Prices include condenser.



TYPE 12

SOLA
CONSTANT
VOLTAGE
TRANSFORMER
TYPE 22



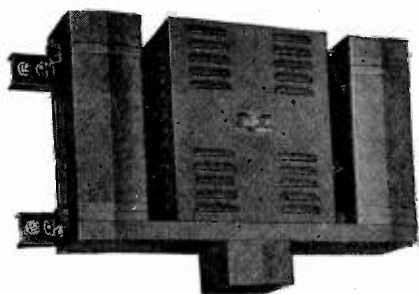
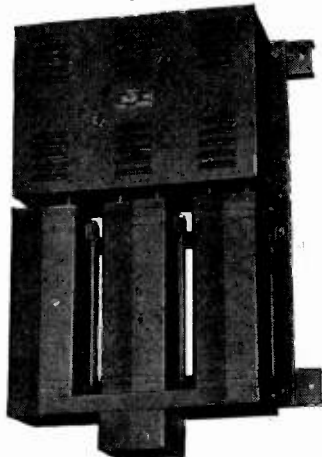
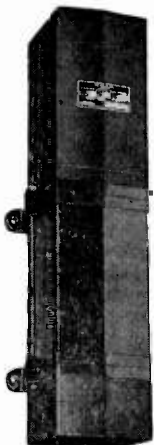
FOR COMPLETE CATALOG INFORMATION SEE OPPOSITE PAGE →

For complete operational data write for Bulletin 13CV-102

SOLA
CONSTANT
VOLTAGE
TRANSFORMER

← TYPE 4

TYPE 6 →



SOLA CONSTANT VOLTAGE
TRANSFORMERS
TYPE 5

TYPE 41 →



SOLA ELECTRIC COMPANY • 4633 WEST 16th STREET, CHICAGO 50, ILLINOIS

SOLA Constant Voltage Transformers

ELECTRICAL AND MECHANICAL SPECIFICATIONS

60 CYCLE

Catalog Number	Output Capacity in VA	Input Volts	Output Volts	Dimensions in Inches					Approx. Shipping Weight	Price Each
				A	B	C	E	F		
TYPE 1										
30488	15	95-125	6.0	5 $\frac{11}{16}$	2 $\frac{5}{8}$	3 $\frac{7}{16}$	5 $\frac{1}{16}$	6	\$ 15.00
30492	15	95-125	6.3	5 $\frac{11}{16}$	2 $\frac{5}{8}$	3 $\frac{7}{16}$	5 $\frac{1}{16}$	6	15.00
30498	15	95-125	115.0	5 $\frac{11}{16}$	2 $\frac{5}{8}$	3 $\frac{7}{16}$	5 $\frac{1}{16}$	6	15.00
TYPE 2										
30804	30	95-125	115.0	8 $\frac{9}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	7 $\frac{13}{16}$	2 $\frac{3}{8}$	12	17.00
30805	60	95-125	115.0	8 $\frac{13}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	13	24.00
30806	120	95-125	115.0	9 $\frac{11}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	8 $\frac{15}{16}$	2 $\frac{3}{8}$	17	32.00
TYPE 3										
30807	250	95-125	115.0	11 $\frac{5}{8}$	6 $\frac{15}{16}$	5 $\frac{5}{8}$	3 $\frac{1}{4}$	6 $\frac{1}{8}$	30	52.00
30M807	250	190-250	115.0	11 $\frac{5}{8}$	6 $\frac{15}{16}$	5 $\frac{5}{8}$	3 $\frac{1}{4}$	6 $\frac{1}{8}$	30	52.00
30808	500	95-125	115.0	14 $\frac{1}{2}$	6 $\frac{15}{16}$	5 $\frac{5}{8}$	5	6 $\frac{1}{8}$	40	75.00
30M808	500	190-250	115.0	14 $\frac{1}{2}$	6 $\frac{15}{16}$	5 $\frac{5}{8}$	5	6 $\frac{1}{8}$	40	75.00
TYPE 4										
30809	1000	95-125	115.0	19 $\frac{1}{8}$	9 $\frac{1}{2}$	7 $\frac{7}{8}$	6 $\frac{3}{4}$	8 $\frac{1}{2}$	115	125.00
30M809	1000	190-250	115.0	19 $\frac{1}{8}$	9 $\frac{1}{2}$	7 $\frac{7}{8}$	6 $\frac{3}{4}$	8 $\frac{1}{2}$	115	125.00
30811	2000	95-125	115.0	31 $\frac{1}{8}$	9 $\frac{1}{2}$	7 $\frac{7}{8}$	12 $\frac{1}{4}$	8 $\frac{1}{2}$	205	225.00
30M811	2000	190-250	115.0	31 $\frac{1}{8}$	9 $\frac{1}{2}$	7 $\frac{7}{8}$	12 $\frac{1}{4}$	8 $\frac{1}{2}$	205	225.00
TYPE 5										
30M814	4000	95/190-125/250	115.0	21 $\frac{5}{8}$	42 $\frac{3}{4}$	9 $\frac{7}{16}$	12 $\frac{1}{4}$	40 $\frac{1}{4}$	520	380.00
30M815	5000	95/190-125/250	115.0	24 $\frac{1}{8}$	42 $\frac{3}{4}$	9 $\frac{7}{16}$	14 $\frac{3}{4}$	40 $\frac{1}{4}$	570	475.00
30M816	5000	95/190-125/250	230.0	24 $\frac{1}{8}$	42 $\frac{3}{4}$	9 $\frac{7}{16}$	14 $\frac{3}{4}$	40 $\frac{1}{4}$	570	475.00
TYPE 6										
30M817	10,000	190/380-250/500	115.0	48	35 $\frac{1}{4}$	9 $\frac{5}{8}$	38 $\frac{7}{8}$	33 $\frac{1}{4}$	1025	930.00
30M818	10,000	190/380-250/500	230.0	48	35 $\frac{1}{4}$	9 $\frac{5}{8}$	38 $\frac{7}{8}$	33 $\frac{1}{4}$	1025	930.00
TYPE 11										
30785	17	95-125	6.3	5 $\frac{13}{16}$	3 $\frac{21}{32}$	2 $\frac{19}{32}$	3	2	5 $\frac{1}{2}$	20.00
30955	17	95-125	115.0	5 $\frac{13}{16}$	3 $\frac{21}{32}$	2 $\frac{19}{32}$	3	2	5 $\frac{1}{2}$	20.00
TYPE 12										
301002	15	95-125	6.3	5 $\frac{5}{16}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$	3	1 $\frac{1}{2}$	2 $\frac{1}{2}$	18.50
301003	15	95-125	115.0	5 $\frac{5}{16}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$	3	1 $\frac{1}{2}$	2 $\frac{1}{2}$	18.50
TYPE 21										
30801	25	95-125	6.0	8 $\frac{7}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	7 $\frac{1}{16}$	2 $\frac{3}{8}$	12	16.00
30881	25	95-125	6.3	8 $\frac{7}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	7 $\frac{1}{16}$	2 $\frac{3}{8}$	12	16.00
30802	50	95-125	6.0	8 $\frac{13}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	13	22.00
30882	50	95-125	6.3	8 $\frac{13}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	13	22.00
TYPE 22										
30885	60	95-125	115.0	10 $\frac{5}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	9 $\frac{9}{16}$	2 $\frac{3}{8}$	13	24.00
30886	120	95-125	115.0	11 $\frac{3}{16}$	4 $\frac{3}{16}$	4 $\frac{3}{8}$	10 $\frac{1}{16}$	2 $\frac{3}{8}$	19	32.00
TYPE 41										
30M813	3000	95/190-125/250	115.0	44 $\frac{11}{16}$	10	9 $\frac{3}{8}$	42 $\frac{5}{8}$	8 $\frac{1}{2}$	325	300.00

DIMENSIONS— A: OVERALL LENGTH
B: OVERALL WIDTH

C: OVERALL HEIGHT
E&F: MOUNTING DIMENSIONS

PRICES SUBJECT TO CHANGE
WITHOUT NOTICE

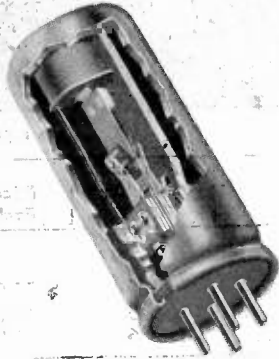
SOLA ELECTRIC COMPANY • 4633 WEST 16th STREET, CHICAGO 50, ILLINOIS

CORNELL



DUBILIER

CORNELL-DUBILIER VIBRATORS



FEATURES

- C-D designed electronic micrometric equipment removes guesswork in contact point setting and assures consistent high quality.
- Exclusive C-D pole piece design and armature weight results in a perfectly-balanced unit with greater efficiency.
- Exclusive C-D base mounting results in a full floating unit. That's why C-D vibrators last longer.
- Unit completely enclosed in new floating sock—an exclusive with C-D vibrators. Eliminates usual difficulties found in other vibrators.
- New stack design will take peak voltages of even 4,200 volts with no damage to vibrator.

C = NON-SYNCHRONOUS			CS = NON-SYNCHRONOUS SPECIAL			D = SYNCHRONOUS		
Type No.	List Price	Net Price	Type No.	List Price	Net Price	Type No.	List Price	Net Price
C00	\$4.45	\$2.67	CS03-12	7.00	\$4.20	D00	7.00	\$4.20
C00-32	6.50	3.90	CS03-32	7.00	4.20	D04	7.00	4.20
C01	4.45	2.67	CS04P	5.75	3.45	D06	7.00	4.20
C03	4.45	2.67	CS06	6.50	3.90	D07	7.00	4.20
C04	5.75	3.45	CS10	6.50	3.90	D08	7.00	4.20
C07	4.45	2.67	CS11-12	7.00	4.20	D09	7.00	4.20
C08	5.75	3.45	CS15	6.25	3.75	D09-4	7.00	4.20
C09	4.45	2.67				D10	7.00	4.20
C14	4.45	2.67				D11	7.00	4.20
C20P	4.45	2.67				D12	7.00	4.20
C21	4.45	2.67				D13-4	7.00	4.20
C23P	3.75	2.25				D16	8.30	4.98
C26P	3.75	2.25				D21	7.00	4.20
C28P-32	8.30	4.98				D22	7.75	4.65
C31	4.45	2.67				D25	8.30	4.98
C33	4.45	2.67				D26	7.00	4.20
C36	4.45	2.67				D29	8.30	4.98
C42M	3.75	2.25				D31	7.75	4.65
C43M	5.75	3.45				D34	7.00	4.20
C63	5.75	3.45				D35	7.00	4.20
C66	5.75	3.45				D35-4	7.00	4.20
C67-32	7.00	4.20				D36	7.00	4.20
						D37	7.00	4.20
						D38	7.00	4.20
						D40	7.75	4.65
						D43	7.00	4.20
						D43-32	7.75	4.65
						D54	7.00	4.20
						D63	8.30	4.98
						D64	8.30	4.98

DS = SYNCHRONOUS SPECIAL

Type No.	List Price	Net Price
DS04	8.30	\$4.98
DS05	7.75	4.65
DS05-12	9.05	5.43
DS05-32	9.05	5.43
DS07	7.75	4.65
DS07-12	9.05	5.43
DS07-32	9.05	5.43
DS09-12	9.05	5.43
DS10	7.00	4.20
DS10-12	7.75	4.65
DS14-12	7.75	4.65
DS15-12	7.75	4.65
DS15-24	7.75	4.65
DS16	7.75	4.65
DS16-12	9.05	5.43
DS20	7.00	4.20

Mr. Serviceman: Never be out of these popular numbers. They constitute 88% of all your demand in the ratio shown.

C00	22%	C23P	4%	D00	3%
C01	5%	C26P	11%	D25	3%
C03	5%	C35	9%	D26	7%
C14	4%	C42	10%	D06	2%
C20P	3%				

Type No.	Voltage	Frequency	Maximum Load, Amps.	Diameter	Height in inches	Identifying Characteristic
C 00	6	115	6	1 1/2	3 1/2	Std. 4 pr.
C 00-32	32	115	1.4	1 1/2	3 1/2	32-v. std. duty.
C 01	6	115	6	1 1/2	2 1/2	Std. for low headroom.
C 07	6	150	6	1 1/2	3 1/2	Spl. 150 cycles.
C 14	6	115	6	1 1/2	2 1/2	Spl. for some late model Zenith sets.
C 20P	6	115	6	1 1/2	3 1/2	Philco dup repl.
C 21	6	115	6	1 1/2	3 1/2	Delco dup repl.
C 23P	6	115	6	1 1/2	4 1/2	Philco dup repl.
C 28P	6	115	6	1 1/2	2 1/2	Spl. for Philco.
C 42M	6	115	6	1 1/2	2 1/2	Spl. for Motorola.
CS 15	6	115	10	1 1/2	3 1/2	For high input current.
CS 16	6	115	10	1 1/2	3 1/2	With handle, for Pol. V. powers.
CS 03-12	12	115	6	1 1/2	3 1/2	12 v. hvy. duty.
CS 03-32	32	115	2.5	1 1/2	3 1/2	32 v. hvy. duty.
C 43M	6	115	6	1 1/2	4 1/2	Ears to hold vibrator down. Motorola spl.
C 09	6	115	6	1 1/2	2 1/2	For low headroom.
C 31	6	115	6	1 1/2	3 1/2	For normal applications.
CS 06	6	115	10	1 1/2	3 1/2	For certain V. powers.
C 08	6	115	6	1 1/2	3 1/2	Spl. 5 ohm resistors.
C 03	6	115	6	1 1/2	3 1/2	Dup. repl. 1 1/2" diam.
C 33	6	115	6	1 1/2	3 1/2	Dup. repl. with handle puller.
C 35	6	115	6	1 1/2	2 1/2	Replaces 1 1/2" dia. vibrators.
C 28P-32	32	115	1.4	1 1/2	3 1/2	Spl. plug on leads.
C 04	6	115	6	1 1/2	3 1/2	For Satchell-Carlson Sets.
D 09	6	115	4	1 1/2	3 1/2	Std. 6 v. size.
D 09-4	4	115	4	1 1/2	3 1/2	Std. 4 v. size.
D 13	6	115	4	1 1/2	3 1/2	Lge. for low vib.
D 13-4	4	115	4	1 1/2	3 1/2	Lge. for low vib.
DS 09-12	12	120	3	1 1/2	3 1/2	Aviation spl.
DS 04	6	115	6	1 1/2	4 1/2	Motorcycle pdl. 2x.02 mfd con.
D 16	6	115	6	1 1/2	4 1/2	Contains 2x.02 mfd. cond.
D 25	6	115	4	1 1/2	3 1/2	Standard size.
D 25	6	115	6	1 1/2	4 1/2	Contains 2x.013 mfd. cond.
D 29	6	115	6	1 1/2	3 1/2	Handle on top.
D 29	6	115	6	1 1/2	4 1/2	Contains 2x.013 mfd. cond.
C 66	6	115	6	1 1/2	2 1/2	Used in 3 similar 1935 sets.
C 67-32	32	115	1.4	1 1/2	3 1/2	For certain farm sets.
D 11	6	115	4	1 1/2	3 1/2	For general use.
D 21	6	115	4	1 1/2	3 1/2	Large for low vib.
D 35	6	115	4	1 1/2	3 1/2	Small diam., spl. use.
D 35-4	4	115	4	1 1/2	3 1/2	For 4 v. circuits.
D 36	6	180	5	1 1/2	2 1/2	For high freq. circuits.
DS 10	6	115	6	1 1/2	3 1/2	For motorcycle police duty.
DS 10-12	12	115	3	1 1/2	3 1/2	Aviation spl.
DS 15-12	12	180	3	1 1/2	2 1/2	Aviation spl.
DS 15-24	24	180	1.5	1 1/2	2 1/2	Aviation spl.
D 34	6	115	4	1 1/2	3 1/2	For certain 6 v. home sets.
CS 04P	6	115	6	1 1/2	3 1/2	For certain Philco Police sets
D 43	6	115	6	1 1/2	3 1/2	Special base.
D 43-32	32	115	1.4	1 1/2	3 1/2	Special base.
D 00	6	115	6	1 1/2	3 1/2	Std. type rev. sync.
D 07	6	180	5	1 1/2	3 1/2	180 cycles, normal size.
D 08	6	140	6	1 1/2	2 1/2	140 cycles, short.
D 37	6	180	5	1 1/2	2 1/2	180 cycles, small.
D 38	6	140	6	1 1/2	3 1/2	140 cycles, normal size.
D 40	6	115	6	1 1/2	4 1/2	Large size.
D 05	6	115	6	1 1/2	3 1/2	Std. type rev. sync.
D 54	6	115	6	1 1/2	2 1/2	For low headroom.
DS 05	6	115	10	1 1/2	3 1/2	For heavy input current.
DS 05-12	12	115	6	1 1/2	3 1/2	For heavy duty.
DS 05-32	32	115	2.5	1 1/2	3 1/2	For heavy duty.
DS 14-12	12	115	4	1 1/2	2 1/2	Aviation special.
D 22	6	115	4	1 1/2	3 1/2	Split-reed type.
D 31	4	115	4	1 1/2	3 1/2	4 v. split-reed.
D 04	6	130	6	1 1/2	3 1/2	Spl. base wiring.
D 64	6	115	6	1 1/2	4 1/2	Contains 2x.013 mfd. cond.
DS 07	6	180	6	1 1/2	3 1/2	180 cycles.
DS 07-12	12	180	4	1 1/2	3 1/2	180 cycles.
DS 07-32	32	180	2	1 1/2	3 1/2	180 cycles.
CS 13-12	12	180	4	1 1/2	3 1/2	Aviation spl.
CS 10	6	115	10	1 1/2	3 1/2	Spl. base wiring.
CS 11-12	12	115	6	1 1/2	3 1/2	Spl. base wiring.

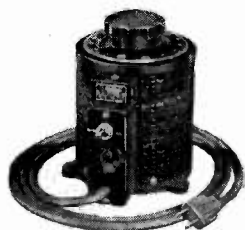
WARNING: Always check the Buffer Capacitors before installing a new vibrator: Failure to do so will void the guarantee. Always use C-D Buffer Capacitors for replacement.

There's a
POWERSTAT
 VARIABLE TRANSFORMER
 for *Your* application

PROTECT THE INVESTMENT IN YOUR EQUIPMENT

Recent advances in the electrical field have made more critical the need for precise voltage control equipment designed to protect and to operate highly sensitive and expensive apparatus. Whether the application involves the control of light, heat, sound, power or electronic equipment, there's a POWERSTAT variable transformer to suit every requirement.

STANDARD POWERSTAT VARIABLE TRANSFORMERS



TYPE 116



TYPE 1126



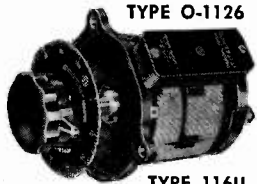
TYPE 20



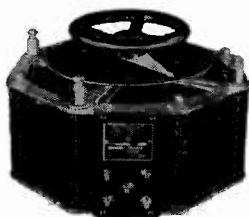
TYPE O-1126



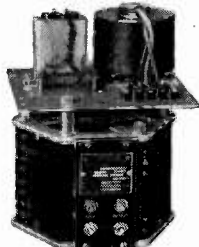
TYPE 2PF1126



TYPE 116U



TYPE 1256



TYPE MZ1126

POWERSTAT Variable Transformers

are auto-transformers of toroidal core design, with a movable brush-tap which rotates to deliver a continuously-adjustable output voltage from a-c power lines. Into each POWERSTAT are incorporated superior qualities of top electrical performance, rugged mechanical construction, compact design and durability. POWERSTATS feature zero waveform distortion, excellent regulation, conservative ratings, standard mountings, smooth control and high efficiency. POWERSTATS are available with motor drives for pushbutton remote control, or for use with automatic controllers. A variety of motor speeds is offered.

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 INFORMATION
 100 MEADOW STREET
 BRISTOL, CONNECTICUT

Line Voltage	Output Voltage	Maximum Output Amperes	Output KVA	Frequency	Type	
Single Phase						
115	0-135	3.0	0.4	*60	20	
	0-135	7.5	1.0	50/60	116	
	0-135	15.0	2.0	50/60	1126	
	0-135	30.0	4.0	50/60	1126-2P	
	0-135	45.0	6.1	50/60	1156	
	0-135	90.0	12.1	50/60	1156-2P	
	0-135	135.0	18.2	50/60	1156-3P	
	0-135	180.0	24.3	50/60	1156-4P	
	0-135	270.0	36.4	50/60	1156-6P	
	0-270	3.0	0.35	50/60	216	
	0-270	9.0	1.05	50/60	1226	
	0-270	28.0	3.27	50/60	1256	
	230	0-270	3.0	0.81	50/60	216
		0-270	7.5	2.0	50/60	116-2S
		0-270	9.0	2.4	50/60	1226
0-270		15.0	4.0	50/60	1126-2S	
0-270		28.0	7.5	50/60	1256	
0-270		45.0	12.1	50/60	1156-2S	
0-270		56.0	15.1	50/60	1256-2P	
0-270		84.0	22.7	50/60	1256-3P	
0-270		112.0	30.2	50/60	1256-4P	
0-270		168.0	45.0	50/60	1256-6P	
0-540		3.0	0.7	50/60	216-2S	
0-540		9.0	2.1	50/60	1226-2S	
0-540		28.0	6.5	50/60	1256-2S	
440		0-515	3.0	1.5	50/60	216-2S
		0-515	9.0	4.6	50/60	1226-2S
	0-515	28.0	14.4	50/60	1256-2S	
	0-515	56.0	28.8	50/60	1256-4PS	
	0-515	84.0	43.2	50/60	1256-6PS	
	Three Phase					
115	0-135	3.0	0.7	*60	20-2D	
	0-135	7.5	1.8	50/60	116-2D	
	0-135	15.0	3.5	50/60	1126-2D	
	0-135	45.0	10.5	50/60	1156-2D	
	0-135	90.0	21.0	50/60	1156-4D	
	0-135	135.0	31.6	50/60	1156-6D	
	0-270	3.0	0.6	50/60	216-2D	
	0-270	9.0	1.8	50/60	1226-2D	
	0-270	28.0	5.7	50/60	1256-2D	
	230	0-230	3.0	1.2	60	20L-3Y
		0-270	3.0	1.4	50/60	216-2D
		0-270	7.5	3.5	*60	116-3Y
		0-270	9.0	4.2	50/60	1226-2D
		0-270	15.0	7.0	*60	1126-3Y
		0-270	28.0	13.1	50/60	1256-2D
0-230		45.0	17.9	50/60	1156L-3Y	
0-270		56.0	26.2	50/60	1256-4D	
0-270		84.0	39.3	50/60	1256-6D	
0-230		90.0	35.8	50/60	1156L-6Y	
0-540		3.0	1.2	*60	216-3Y	
0-540		9.0	3.6	*60	1226-3Y	
0-540		28.0	11.3	*60	1256-3Y	
440		0-515	3.0	2.7	*60	216-3Y
		0-515	9.0	8.0	*60	1226-3Y
	0-515	28.0	25.0	*60	1256-3Y	
	0-515	56.0	50.0	*60	1256-6Y	
	OIL-COOLED POWERSTATS					
	115	135	15.0	2.0	50/60	0-116
		30.0	4.0	50/60	0-1126	
230	270	6.0	1.6	50/60	0-216	
		18.0	4.8	50/60	0-1226	

*When these POWERSTATS are "L" connected so that output does not exceed applied voltage, frequency range is 50/60 cycles.

THE SUPERIOR ELECTRIC CO.
 BRISTOL, CONNECTICUT



POWERSTAT VARIABLE TRANSFORMERS • VOLTBOX A-C POWER SUPPLIES • STABILINE VOLTAGE REGULATORS

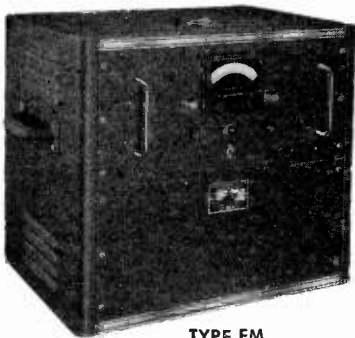
STABILINE AUTOMATIC VOLTAGE REGULATORS

DELIVER CONSTANT OUTPUT VOLTAGE REGARDLESS OF VARIATIONS IN INPUT VOLTAGE OR LOAD CURRENT

Two types of automatic voltage regulators are built by The Superior Electric Company, designed to maintain constant output voltage to large loads or as a means of obtaining a constant output voltage with zero waveform distortion. Type IE (instantaneous electronic) gives instant correction; Type EM (electromechanical), while not instantaneous, corrects faster than most types of constant voltage regulators.



TYPE IE51002
(Portable)



TYPE EM,

Because of differences in basic design, it's possible to order a STABILINE voltage regulator to meet the requirements of any problem in voltage regulation. If you have a particular problem, write The Superior Electric Company. Our staff of voltage control engineers is available for consultation — at no obligation to you. It's through this engineering service that we can best serve you; that we can design and build voltage control equipment second to none in the electrical industry.

INSTANTANEOUS ELECTRONIC STABILINES

Completely electronic voltage regulators, instantaneous in action; no moving parts; waveform distortion *never* exceeds 3% output voltage is stable within $\pm .1$ of 1% for wide line variations. Available in cabinet, portable or rack-mounting models.

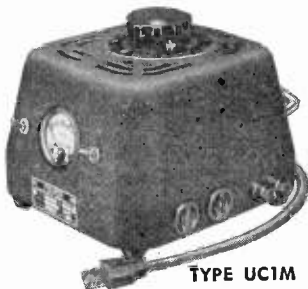
Input Voltage Range	Output Voltage Range	RATINGS		Load Power Factor Range	Rated Output KVA	Type
		Frequency in Cycles	Load Range in Amperes			
95-135	110-120	60 \pm 10%	0-2.2	.5 lagging	0.25	IE51002
95-135	110-120	60 \pm 10%	0-4.4		0.5	IE51005
95-135	110-120	60 \pm 10%	0-8.5		1.0	IE5101
95-135	110-120	60 \pm 10%	0-43.5	to	5.0	IE5105
195-255	220-240	60 \pm 10%	0-11.0	.9 leading	2.5	IE5202
95-135	110-120	50 \pm 10%	0-8.5		1.0	IEL5101
195-255	220-240	50 \pm 10%	0-4.5		1.0	IEL5201

ELECTROMECHANICAL STABILINES

Consist of an electronic detector circuit controlling a motor-driven POWERSTAT variable transformer. Features: zero waveform distortion, insensitivity to magnitude and power factor of load, no effect on system power factor, no critical adjustments, high efficiency, adjustable output voltage.

Nominal Output Voltage	Input Voltage Range	Output Voltage Range	RATINGS		Type	
			Output Current (Amperes)	Output KVA		
Single Phase	115	95-135	110-120	20.0	2.3	EM4102
				52.0	6.0	EM4106
				130.0	15.0	EM4115
208	180-230	200-215	32.5	6.7	EM8207	
			120.0	25.0	EM8228	
230	195-255	220-240	32.5	7.5	EM4207	
			120.0	27.5	EM4228	
440	380-500	420-460	15.0	6.6	EM4407	
			40.0	17.6	EM4418	
Three Phase	208	180-230	200-215	25.0	9.0	EM8210Y
				38.0	13.5	EM8215Y
				50.0	18.0	EM8220Y
230	195-255	220-240	113.0	40.0	EM8245Y	
			145.0	52.0	EM8258Y	
			25.0	10.0	EM6210Y	
440	380-500	420-460	38.0	15.0	EM6215Y	
			50.0	20.0	EM6220Y	
			113.0	45.0	EM6245Y	
400-480	420-460	420-460	145.0	58.0	EM6258Y	
			16.0	12.0	EM6412Y	
			22.0	17.0	EM6417Y	
100.0	131.0	100.0	33.0	25.0	EM6425Y	
			66.0	50.0	EM6450Y	
			100.0	75.0	EM6475Y	
131.0	100.0	100.0	100.0	100.0	EM64100Y	

VOLTBOX A-C POWER SUPPLIES: Compact, portable sources of variable a-c voltage for use in laboratory, inspection and maintenance sections and in transmitter work-rooms. Two types available: UC1M — 115V, 50/60 cycle, 1 phase, output 0-135V, 7.5 amps, 1KVA, UC2M—230V, 50/60 cyce, 1 phase, output 0-270V, 3.0 amps, 810VA.

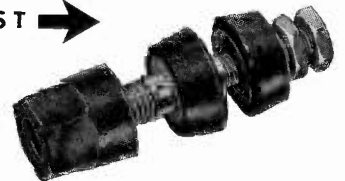


TYPE UC1M

NEW 5-WAY BINDING POST

5 methods of connection. Complete insulation, 30 amp. current capacity, 1000V working voltage. Captive head for convenience. Red or black color. 5 connections:

1. PERMANENT CLAMPING.
2. SPADE LUG.
3. PLUG-IN FOR BANANA PLUG.
4. LOOPING AND CLAMPING.
5. CLIP-LEAD.



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