



HIGH RATE SERIES

- Epoxy-sealed posts eliminate leaks
- Pure lead, low calcium, high tin positive grids deliver quick high-rate power
- Puncture resistant micro-porous glass mat separators extend life
- Exclusive IPF® Technology optimizes power capacity, cell consistency, and long-term reliability
- Reinforced flame retardant (rated UL94, V0 28% LOI) polypropylene or standard polypropylene case and cover resists bulging and meets safety requirements
- Flame arresting, low pressure, self-sealing valve on flame-retardant or low-pressure, self-sealing valve on standard, maximizes gas recombination efficiency and minimizes gassing
- Computer-aided design and manufacturing ensure quality products through control of process and standards
- Case and cover heat sealed and 100% tested to prevent leaks
- Float Voltage: 2.25 volts per cell $\pm .01$ VPC @ 77°F (25°C)
- Design life 10 years @ 77°F / 25°C (full float)
- All batteries meet or exceed IEEE-485 capacity requirements at shipment

Discharge Ratings in Watts Per Cell To Various End Voltages [at 77°F (25°C)]

| Volts per Cell (V.P.C.) | 1 Min. | 5 Min. | 10 Min. | 15 Min. | 20 Min. | 30 Min. | 40 Min. | 50 Min. | 60 Min. |
|-------------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 1.80 | — | 386 | 284 | 227 | 192 | 147 | 121 | 107 | 91 |
| 1.75 | 574 | 430 | 309 | 240 | 199 | 152 | 125 | 110 | 94 |
| 1.70 | 639 | 463 | 326 | 249 | 204 | 154 | 128 | 112 | 96 |
| 1.67 | 672 | 478 | 331 | 253 | 208 | 157 | 129 | 113 | 96 |
| 1.60 | 746 | 506 | 342 | 259 | 212 | 159 | 130 | 114 | 97 |

Note: Above ratings conform to IEEE-485 standards.

Made in the U.S.A. by East Penn Manufacturing

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DATA SHEET FOR PART NUMBER:
24HR3000*



* 24HR3000S - Standard: Black Cover, Grey Case
 24HR3000 - Flame Retardant: Charcoal Cover and Case

Specifications

NOMINAL VOLTAGE: 12-Volt

FLOAT CHARGE VOLTAGE: 13.50 @ 77°F (25°C)

EQUALIZE CHARGE VOLTAGE: 13.8

OPERATING TEMPERATURE: 50° to 95°F (10°C to 35°C)

TERMINAL: Molded lead terminal with 1/4 x 20 brass inserts

TORQUE VALUE: 60 inch lbs.

RIPPLE: Limited to 0.5% RMS or 1.5% of the float voltage

| Battery | DIMENSIONS | | | Weight |
|----------|----------------|---------------|---------------|------------|
| | Length | Width | Height | |
| 24HR3000 | 10.20 (259) | 6.80 (173) | 8.24 (209) | 56 (25) |

Chart contains dimensions in inches over millimeters and pounds over kilograms.

