



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	104	91.3
1.75	637	430	309	240	199	152	125	107	94
1.70	710	463	326	249	204	154	128	109	95.5
1.67	747	478	331	253	208	157	129	110	96.1
1.60	829	506	342	259	212	159	130	111	96.9

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)	6.56 (167)	8.24 (209)	56 (25)

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

