



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**

DATA SHEET FOR PART NUMBER: 27HR3500*



* 27HR3500S - Standard: Black Cover, Grey Case
27HR3500 - 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	
27HR3500	12.01 (305)	6.56 (167)	8.24 (209)	66 (30)

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

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	—	459	348	279	233	179	147	124	108
1.75	729	514	376	294	246	187	152	128	111
1.70	831	559	399	309	254	190	155	130	113
1.67	871	580	408	314	258	193	156	131	114
1.60	983	616	420	320	263	196	159	133	115

Note: Above ratings conform to IEEE-485 standards.

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

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