



## TRAFFIC SERIES AGM

- *Epoxy-sealed posts eliminate leaks*
- *Pure lead, low calcium, high tin positive grids*
- *Puncture resistant micro-porous glass mat separators extend life*
- *Individual plate formation (IPF™) optimize cell voltage balance and performance*
- *Reinforced standard polypropylene case and cover resists bulging and meets safety requirements*
- *Low pressure, self-sealing valve 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  $\pm$  0.1 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*
- *Designed to function properly when mounted on side*

**DATA SHEET FOR PART NUMBER:**  
**45HR2000-MK**



## Specifications

Battery	DIMENSIONS			
	Length	Width	Height	Weight
45HR2000-MK	8.84 (225)	5.31 (135)	8.26 (210)	40 (18)

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

**CAPACITY:** 48 Ah @ 20 hr rate to 1.75 VPC @ 77°F  
Watts per cell @ 60 minutes = 60 to 1.75 VPC @ 77°F

**GROUP SIZE:** 45

**OPERATING TEMPERATURE RANGE:**

-40°TO 140°F (-40°C to 60°C)

Caltrans BBS temperature clause will be supported.

*\*Temperature and battery age effect runtime.*

**STANDARD WARRANTY:** 2 year full replacement

*\*See warranty sheet for details.*

**NOMINAL VOLTAGE:** 12-Volt

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

**EQUALIZE CHARGE VOLTAGE:** 13.8

**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

## Discharge Ratings in Watts Per Battery To 1.75 VPC at 77°F (25°C)

1 hour	2 hour	3 hour	4 hour	5 hour	6 hour
361	210	150	118	99	85

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

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