



PowerSafe® MS500

Diesel Starting Batteries

Battery Range Summary

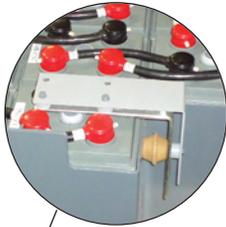
Featuring fully insulated connectors for safety, the PowerSafe® MS500 battery is the first choice of railroads around the world. The Valve Regulated Lead Acid (VRLA) design eliminates watering requirements yielding lower maintenance costs. The battery's protective steel tray, heat sealed cell covers and heavy duty high impact polypropylene jars make it one of the most rugged in the market.

The large copper inserted posts enhance the high rate performance demonstrated by the PowerSafe MS500 battery's extreme cranking ability. The plates feature a high performance design which provide a high reserve capacity for auxiliary equipment.

A 100% warranty for the first two years and six years pro-rated along with a nationwide service network means the PowerSafe MS500 battery is easy on your overall bottom line.

Features and Benefits

- Capacity 500Ah
- Lead-antimony alloy design for cycling applications
- Valve regulated design with recombinant technology eliminates watering requirements
- Extreme cranking ability at low temperatures
- High reserve capacity for auxiliary equipment
- Eight year life expectancy in service at 77°F (25°C) ambient temperature



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Construction

- 0.25" thick Positive plate
- Negative plate with high performance grid design
- Absorbed Glass Mat (AGM) separators
- Heavy duty, high-density polyethylene jar
- Electrolyte – dilute sulfuric acid
- Low resistance post and connectors with heavy copper inserts
- Pressure Relief Valve (PRV) operates at 2-3 psi and includes integral flame arrestor

Installation & Operation

- Low maintenance valve regulated design eliminates watering
- Designed specifically for railroads to reduce maintenance costs
- High reserve capacity for auxiliary equipment
- 100% warranty for the first two years and six years pro rata for a total warranty period of 8 years
- Steel tray protects jar from damage
- Operating temperature: -4°F (20°C) to 122°F (50°C)
Recommended temperature: 68°F (20°C) to 86°F (30°C)

Standards

- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

Cell Type	Nominal Ah capacity at 77°F to 1.70VPC		Plates per Cell	5 Sec. Current* (Amps) 77°F to 1.00VPC	90 Sec. Current* (Amps) 77°F to 1.00VPC	Unit Dimensions (Inches)			Approx. Weight* lbs
	8 Hour Rate	5 Hour Rate				L	W	H	
16-MS500	500	450	21	3575	3000	38.4	25.0	18.5	1500

* Data listed subject to change +/-10%

