PowerSafe® LMS

Diesel starting batteries

Battery Range Summary

Engineered specifically for the rail industry, the PowerSafe® LMS battery features greater cranking ability and a high reserve capacity for auxiliary equipment making it ideal for diesel starting applications. The heat seal cover eliminates costly resealing and prevents electrolyte leakage, corrosion buildup and power loss due to electrolyte leakage.

The battery's unique positive plate design and construction provide up to 35% more useful capacity in the same space as conventional designs. Built with durability in mind, the rugged construction means failures due to internal shorts are nearly eliminated and make the battery perfect for demanding applications.

Copper inserted intercell connectors and terminals reduce electrical resistance and provide greater sustained starting power. A state-of the-art element design provides 10% more cranking power at lower temperatures.

A three year, full, no charge warranty and an eight year total pro rata warranty coupled with extended watering levels mean reduced maintenance costs to your bottom line.

Features and Benefits

- Capacity range 280 – 440Ah
- Lead-antimony alloy
- Low maintenance costs
- Large electrolyte reservoir for longer watering intervals
- Eight year life expectancy in service at 77ºF (25ºC) ambient temperature

Construction

- 0.36" thick square tube positive plates provide excellent long discharge rates and long life
- Negative plate with high performance grid design
- Woven tubes are durable and impervious to electrolyte damage
- High density polyethylene container and high impact polypropylene cover
- Electrolyte - dilute Sulfuric acid with a specific gravity of 1.240 – 1.260
- Copper inserted intercell connectors and terminals reduce electrical resistance

Installation and Operation

- 35% more capacity in the same space as a traditional lead acid battery
- Highest power output of any locomotive starting battery on the market
- Eight year life expectancy in service at 77°F (25°C) ambient temperature
- State-of-the-art element design provides 10% more cranking power at lower temperatures
- Operating temperature: 32°F (0°C) to 104°F (40°C) Recommended temperature: 68°F (20°C) to 86°F (30°C)

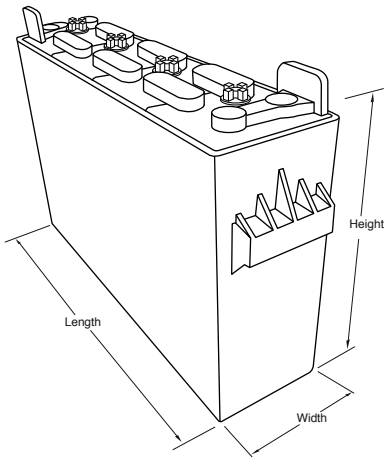
Standards

- The management systems governing the manufacture of this product is ISO 9001:2008 certified

General Specifications

		Nominal Dimensions						Weight - Volumes					
		Length		Width		Height		Unpacked		Electrolyte only 1.250 S.G.			
Cell Type	Nominal Ah Capacity*	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	gal	liters
4-LMS-11	280	20.4	518	7.8	198	18.6	472	170	77	42	19.1	4.1	15.4
4-LMS-325	330	28.5	724	7.4	188	18.0	457	235	107	68	30.9	6.6	24.9
4-LMS-450	440	28.5	724	7.4	188	18.0	457	270	123	60	27.3	5.8	22.0

**Nominal Ah capacity is based on an 8 hour rate to 1.70 volts per cell @77°F (25°C)*



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Publication No: US-LMS-RS-001 - April 2014

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