



# PowerSafe<sup>®</sup> LMUD

Diesel Starting Batteries

## Battery Range Summary

Engineered specifically for the rail industry the PowerSafe<sup>®</sup> LMUD features a high reserve capacity for auxiliary equipment, rugged construction and extended watering intervals.

Copper inserted intercell connectors and terminals reduce electrical resistance and provide greater sustained starting power. The heat-seal cover eliminates costly resealing and prevents electrolyte leakage, corrosion build up and power loss due to electrolyte dilution.

The unique design of the square tube positive plate packs up to 35% more useful amp-hour capacity in the same space as conventional lead acid batteries.



### Features and Benefits

- Capacity range 530 – 725Ah
- Lead-antimony alloy
- High reserve capacity for auxiliary equipment
- Lower maintenance costs
- Extended watering intervals
- Eight year life expectancy in service at 77°F (25°C) ambient temperature

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

## Construction

- 0.36" thick square tube positive plates provide excellent long discharge rates and long life
- Negative plate specifically designed to balance the positive and maximize performance
- 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 terminal reduce electrical resistance

## Installation and Operation

- 35% more capacity in the same space as a traditional lead acid battery
- Heat seal cover prevents electrolyte loss, corrosion buildup and power loss.
- Highest power output of any locomotive starting battery on the market
- Eight year life expectancy in service at 77°F (25°C) ambient temperature
- 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 is ISO 9001:2008 certified

## General Specifications

Cell Type	Nominal Ah Capacity*	Nominal Dimensions						Weight - Volumes					
		Length		Width		Height		Unpacked		Electrolyte only 1.250 S.G.			
		in	mm	in	mm	in	mm	lbs	kg	lbs	kg	gal	liters
<b>16LMUD-530</b>	530	34.5	876	27.0	686	20.6	523	1345	611	288	130.9	27.9	105.6
<b>16LMUD-725</b>	725	42.9	1090	27.0	686	20.7	526	1700	773	384	174.5	37.2	140.8

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

