

LITHIUM IRON PHOSPHATE BATTERY FOR BATTERY COMMANDER 2

Overview

Legion Solar Lithium Iron Phosphate (LiFePO₄) 25.6V 100Ah 2560Wh Deep Cycle batteries are designed to optimize Battery Commander 2 storage potential for nighttime energy consumption. It includes a built-in LCD display showing temperature, voltage and capacity.

The built-in Battery Management System (BMS) optimizes the balance of each cell while charging and provides safety features such as over discharge, overcharge, short circuit, and over temperature protection.



Super high energy density
2x compared with lead acid



Ultra long service life
Up to 7000 cycles, 10 year lifetime



Maintenance free



Ultra lightweight

Parameter	Value
Max continuous discharge	200A
Peak discharge current	400A
Discharge cutoff	Automatic 18.4V
Recommended charge current	20-50A
Max charge current	100A
Max charge cutoff	Automatic 29.2V
Weight	46.2 lbs (21 Kg)
Terminal type	M8 screw
Waterproof	IP65
Discharge temperature	-4°F to 140°F (-20°C to 60°C)
Charge temperature	32°F to 113°F (0°C to 45°C)
Storage temperature	-4°F to 104°F (-20°C to 40°C)
Protections	Built-in Battery Management system, Overcharge, Over discharge, Over temperature, Short circuit
Features	> 4000 Cycle life @80% DOD, Steady output voltage, no memory effect, Vibration & shock resistant
Dimensions	20.6 x 9.38 x 8.50 in (523 x 238 x 216 mm)



DS LS-LithiumBattery24V100Ah V1.0

*This datasheet is subject to change without prior notice.

PLX Devices Inc.

4623 Enterprise Common, Fremont CA, 94538 USA
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