



## PRODUCT SPECIFICATIONS LH12100

Battery Capacity	100 Ampere Hour (100Ah)   1280Wh
Nominal Voltage	12V
Battery Chemistry	LiFePO <sub>4</sub> Chemistry - Prismatic cells
Series Limit	4 (48V)
Parallel Limit	Infinite
Dimensions and Weight	26.0L x 17.0W x 21.0H (cm) - 10.73kg
Operating Temperature	Charge 0°C to 60°C (Heating element engages at 0°C to allow charge) // Discharge from -20°C to 60°C
Operating Voltage	13.6V (4S x 3.4V)
Charge Voltage	14.2V-14.6V, 14.4V recommended
Float Voltage	13.4V-14.0V, 13.8V recommended
Max Cont. Charge Rate	1C (100A)
Max Cont. Discharge Rate	1C (100A)
BMS Features	<ul style="list-style-type: none"><li>• Low temperature battery disconnect (0°C for charge, -20°C for discharge)</li><li>• Over voltage disconnect (14.8V or above on input)</li><li>• Low voltage disconnect (Individual cells below 2.7V, battery voltage of 10.8V)</li><li>• Cell imbalance disconnect (Cell voltage differential of above 0.3V)</li><li>• Automatic cell voltage balancing</li><li>• Over current disconnect</li><li>• Short circuit protection</li><li>• Bluetooth communication</li><li>• Low temperature heating (50W heater built into battery, will heat a low temperature battery up to 15°C if the battery has reached a low temperature)</li></ul>
Operational Quiescent Current	10mA
Standby Quiescent Current	0.1 mA
Charge Curve	Constant Current / Constant Voltage - CC/CV
Terminals	M8 Bolts
Warranty	5 Years
Appearance LH12100	

