



## PRODUCT SPECIFICATIONS AL1280

Battery Capacity	80 Ampere hour (80Ah)   1024Wh
Nominal Voltage	12V
Battery Chemistry	LiFePO <sub>4</sub> Chemistry - Prismatic cells
Series Limit	4 (48V bank)
Parallel Limit	Infinite
Dimensions and Weight	26.0L x 16.5W x 21.0H (cm) - 8.5KG
Operating Temperature	Charge - 0°C to 60°C // 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 Continuous Charge Rate	80A
Max Continuous Discharge Rate	100A
BMS Features	<ul style="list-style-type: none"><li>• Bluetooth interface for battery information</li><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></ul>
Operational Quiescent Current	10mA
Standby Quiescent Current	0.1mA
E Marking	E13 - 10R00-10R05-14430-00
Charge Curve	Constant Current / Constant Voltage - CC/CV
Terminals	M8
Warranty	5 years

Appearance  
AL1280

