



## PRODUCT SPECIFICATIONS AL1220

Battery Capacity	20 Ampere hour (20Ah)   256Wh
Nominal Voltage	12V
Battery Chemistry	LiFePO <sub>4</sub> Chemistry - Cylindrical cells
Series Limit	4 (48V bank)
Parallel Limit	Infinite
Dimensions and Weight	19.0L x 7.7W x 18.7H (cm) - 2.2KG
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	1C (20A)
Max Continuous Discharge Rate	1C (20A)   40A peak discharge
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 (40A draw, per battery)</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	M4
Warranty	5 years

Appearance  
AL1220

