



PRODUCT SPECIFICATIONS AL2450

Battery Capacity	50 Ampere hour (50Ah) 1280Wh
Nominal Voltage	24V
Battery Chemistry	LiFePO ₄ Chemistry - Prismatic cells
Series Limit	2 (48V bank)
Parallel Limit	Infinite
Dimensions and Weight	26.0L x 16.5W x 21.0H (cm) - 11KG
Operating Temperature	Charge - 0°C to 60°C // Discharge from -20°C to 60°C
Operating Voltage	27.2V (8S x 3.4V)
Charge Voltage	28.4V-29.2V, 28.8V recommended
Float Voltage	26.8V-28.0V, 27.6V recommended
Max Continuous Charge Rate	0.8C (40A)
Max Continuous Discharge Rate	1.6C (80A)
BMS Features	<ul style="list-style-type: none">• Bluetooth interface for battery information• Low temperature battery disconnect (0°C for charge, -20°C for discharge)• Over voltage disconnect (14.8V or above on input)• Low voltage disconnect (Individual cells below 2.7V, battery voltage of 10.8V)• Cell imbalance disconnect (Cell voltage differential of above 0.3V)• Automatic cell voltage balancing• Over current disconnect• Short circuit protection
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	AL2450

