



PRODUCT SPECIFICATIONS AL12300

Battery Capacity	300 Ampere hour (300Ah) 3840Wh
Nominal Voltage	12V
Battery Chemistry	LiFePO ₄ Chemistry - Prismatic cells
Series Limit	4 (48V bank)
Parallel Limit	Infinite
Dimensions and Weight	53.2L x 23.5W x 20.7H (CM) - 28KG
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	0.5C (150A)
Max Continuous Discharge Rate	1.0C (300A)
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 protection• 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
AL12300

