





Group: 31

LITHIUM IRON PHOSPHATE BATTERY

12.8 V
100 Ah
240 min
1280 Wh
≤30 mΩ @ 50% SOC
99%
<3% per Month
6

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	100 A
Peak Discharge Current	200 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	280 A ±50 A (9 ±4 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (140 ±60 ms)
Reconnect Voltage	9.2 V (2.3 ±0.1 vpc)
Short Circuit Protection	200-600 μs

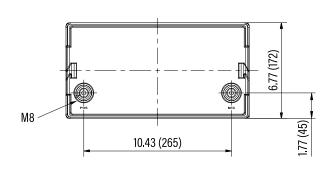
-4 to 140 °F (-20 to 60 °C)
-4 to 113 °F (-20 to 45 °C)
23 to 95 °F (-5 to 35 °C)
176 °F (80 °C)
122 °F (50 °C)

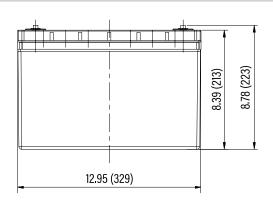
MECHANICAL SPECIFICATI	ONS
Dimensions (L x W x H)	12.95 x 6.77 x 8.8" 329 x 172 x 223 mm
Weight	30 lbs (13.5 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO ₄

CHARGE SPECIFICATIONS	
Recommended Charge Current	50 A
Maximum Charge Current	100 A
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.6 V (3.9 ±0.025 vpc) (1.1 ±0.4 s)
Reconnect Voltage	15.2 V (3.8 ±0.05 vpc)
Balancing Voltage	14.4 V (3.6 ±0.025 vpc)

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

DIMENSIONAL SPECIFICATIONS





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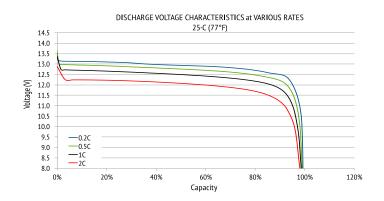


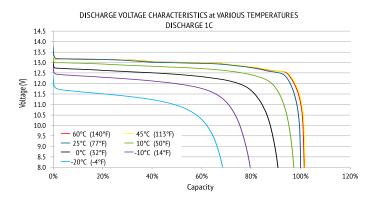
RB100

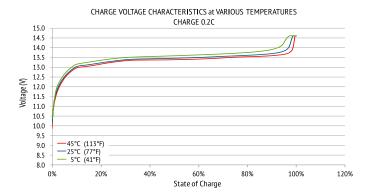


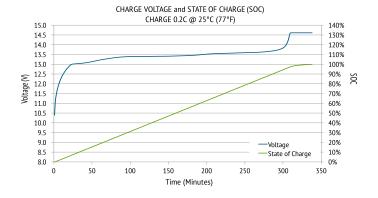
Group: 31

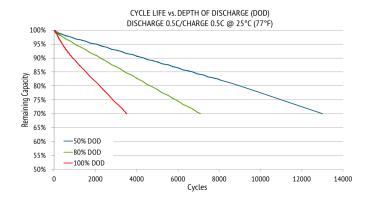
PERFORMANCE CHARACTERISTICS

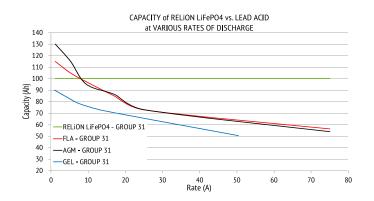












UN38,3











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