





LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8 V
Nominal Capacity	50 Ah
Capacity @ 25A	120 min
Energy	640 Wh
Resistance	50 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	50 A
Peak Discharge Current	100 A (7.5 s ±2.5 s)
PCM Discharge Current Cut-Off	170 A (±20 A)
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	8 V
Reconnect Voltage	9.2 V
Short Circuit Protection	200-600 μs

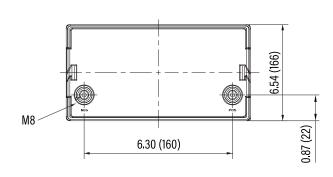
TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)

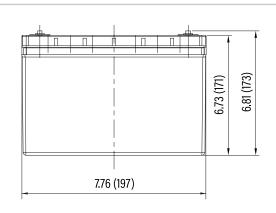
MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	7.8 x 6.5 x 6.8" 197 x 166 x 173 mm
Weight	15 lbs (6.7 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO ₄
CHARGE SPECIFICATIONS	
Rocommonded Charge Current	25 A

CHARGE SPECIFICATIONS	
Recommended Charge Current	25 A
Maximum Charge Current	50 A
PCM Charge Current Cut-Off	170 A (±20 A)
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	15.6 V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4 V

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

DIMENSIONAL SPECIFICATIONS





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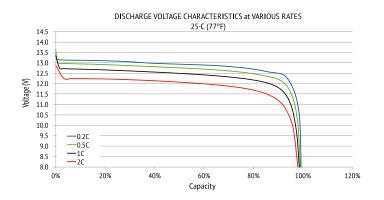


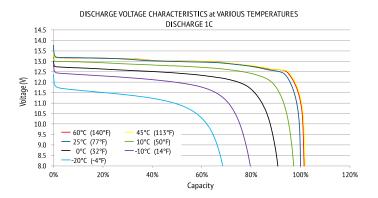


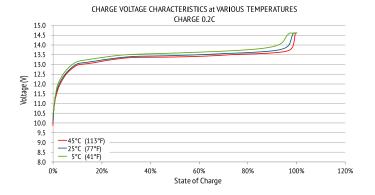


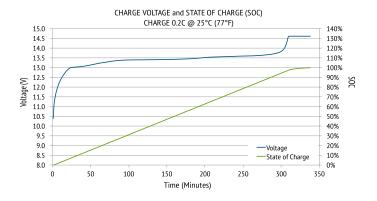


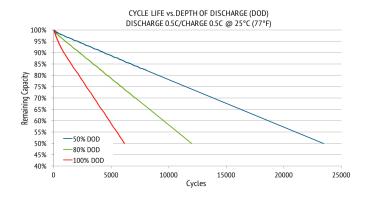
PERFORMANCE CHARACTERISTICS

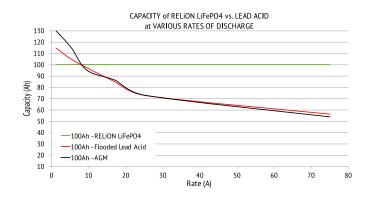
























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