

FI FOTDICAL ODECIFICATIONS





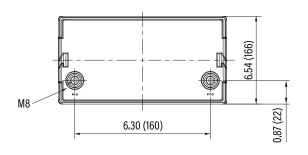
LITHIUM IRON PHOSPHATE BATTERY

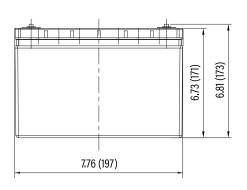
ELECTRICAL SPECIFICATIONS		MECHANICAL SPECIFICATIONS	
Nominal Voltage	12.8 V	Dimensions (L x W x H)	7.8 x 6.5 x 6.8"
Nominal Capacity	50 Ah	Difficusions (EXWXII)	197 x 166 x 173 mm
Capacity @ 25A	120 min	Weight	14.8 lbs (6.7 kg)
Energy	640 Wh	Terminal Type	M8
Resistance	≤50 mΩ @ 50% SOC	Terminal Torque	80 - 100 in-lbs (9 - 11
Efficiency	99%	Case Material	ABS
Self Discharge	<3% per Month	Enclosure Protection	IP56
Maximum Modules in Series	4	Cell Type - Chemistry	Cylindrical - LiFePO
DISCHARGE SPECIFICATIONS		CHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	50 A	Recommended Charge Current	2.5 A - 25 A
Peak Discharge Current	100 A (7.5 s ±2.5 s)	Maximum Charge Current	50 A
BMS Discharge Current Cut-Off	170 A ±20 A (10 ±5 ms)	Charge Current 14 to 32 °F (-10 to 0 °C)	≤0.1 C
Recommended Low Voltage Disconnect	11 V	Charge Current -4 to 14 °F (-20 to -10 °C)	≤0.05 C
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (140 ±60 ms)	Recommended Charge Voltage	14.2 V - 14.6 V
Reconnect Voltage	9.2 V (2.3 ±0.1 vpc)	PMC Chargo Valtage Cut Off	15.6 V (3.9 ±0.025 vp
Short Circuit Protection	200-600 μs		(1.1 ±0.4 s)

(-20 to 60 °C)
(-20 to 45 °C)
(-5 to 35 °C)
(80 °C)
(50 °C)

DIMENSIONAL SPECIFICATIONS

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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	2.5 A - 25 A
Maximum Charge Current	50 A
Charge Current 14 to 32 °F $$ (-10 to 0 °C)	≤0.1 C
Charge Current -4 to 14 °F (-20 to -10 °C)	≤0.05 C
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.6 V (3.9 \pm 0.025 vpc) (1.1 \pm 0.4 s)
Reconnect Voltage	15.2 V (3.8 ±0.05 vpc)
Balancing Voltage	14.4 V (3.6 ±0.025 vpc)
COMPLIANCE SPECIFICATIONS	
Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9



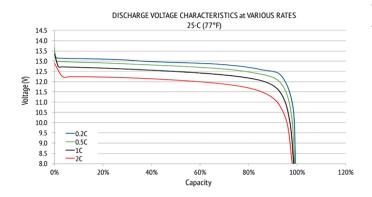


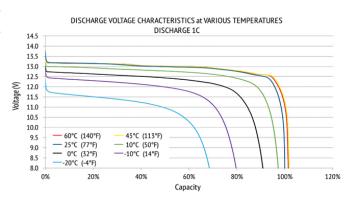


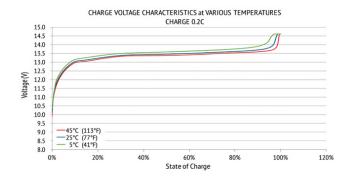


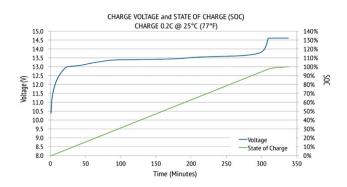


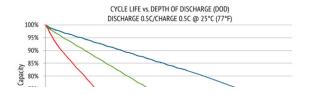


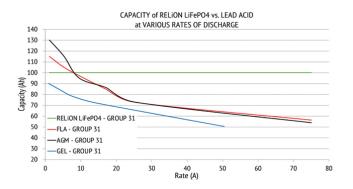














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