

RB60-X



Group: 24

LITHIUM IRON PHOSPHATE BATTERY

FLECTRICAL CRECIFICATIONS	
ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8 V
Nominal Capacity	60 Ah
Capacity @ 25A	144 min
Energy	768 Wh
Resistance	\leq 20 m Ω @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4
DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	100 A
Peak Discharge Current	200 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	550 A ±50 A (9 ±5 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (144 ±30 ms)
Reconnect Voltage	8.64 V (2.16 ±0.24 vpc)
Short Circuit Protection	200-600 μs
TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	-4 to 113 °F (-20 to 45 °C)

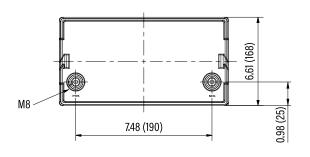
Dimensions (L x W x H)	10.2 x 6.6 x 8.6" 260 x 168 x 218 mm
Weight	20 lbs (8.9 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO ₄
CHARGE SPECIFICATIONS	
Recommended Charge Current	3 A - 30 A
Maximum Charge Current	60 A
Charge Current (0 to -10 °C)	≤0.1 C
Charge Current (-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 ±0.025 vpc) (1.2 ±0.3 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) UL1642 & IEC62133 (cells
Shipping Classification	UN 3480, CLASS 9

DIMENSIONAL SPECIFICATIONS

Storage Temperature

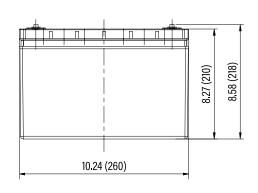
Reconnect Temperature

BMS High Temperature Cut-Off



23 to 95 °F (-5 to 35 °C)

167 °F (75 °C) 122 °F (50 °C)



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PERFORMANCE CHARACTERISTICS

