

RB60-X



MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)

Weight

Terminal Type

Case Material Enclosure Protection

Terminal Torque

Cell Type - Chemistry

CHARGE SPECIFICATIONS Recommended Charge Current

Recommended Charge Voltage

COMPLIANCE SPECIFICATIONS

BMS Charge Voltage Cut-Off

Reconnect Voltage

Balancing Voltage

Certifications

Shipping Classification

Maximum Charge Current

Group: 24

10.2 x 6.6 x 8.6"

20 lbs (8.9 kg)

M8

ABS

IP56

30 A

60 A

14.2 V - 14.6 V

(1.2 ±0.3 s)

CE (battery)

15.6 V (3.9 ±0.025 vpc)

15.2 V (3.8 ±0.05 vpc)

14.4 V (3.6 ±0.025 vpc)

UL1642 & IEC62133 (cells)

UN 3480, CLASS 9

260 x 168 x 218 mm

80 - 100 in-lbs (9 - 11 N-m)

Cylindrical - LiFePO₄

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
	12.0 V
Nominal Capacity	60 Ah
Capacity @ 25A	144 min
Energy	768 Wh
Resistance	≤20 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

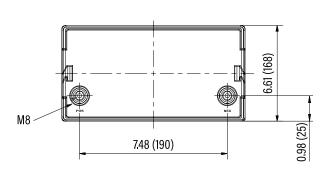
DISCHARGE SPECIFICATIONS

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	32 to 113 °F (0 to 45 °C)
Storage Temperature	23 to 95 °F (-5 to 35 °C)
BMS High Temperature Cut-Off	167 °F (75 °C)
Reconnect Temperature	122 °F (50 °C)

DIMENSIONAL SPECIFICATIONS



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10.24 (260)

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+1.803.547.7288 844.385.9840

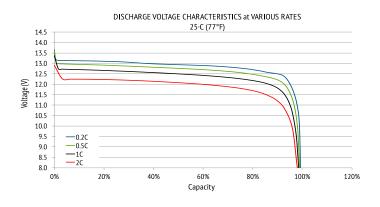
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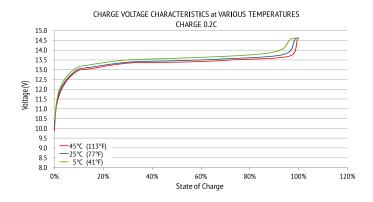


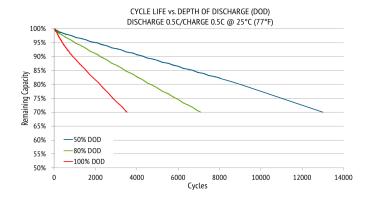


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PERFORMANCE CHARACTERISTICS

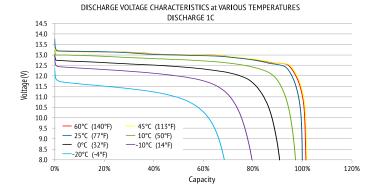


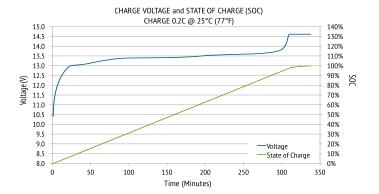


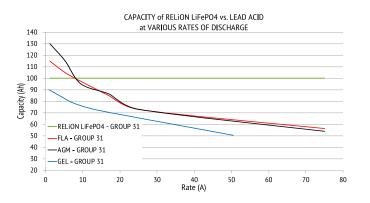




Group: 24









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IEC

CE

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+1.803.547.7288 844.385.9840 9868 Harrisburg Road Fort Mill, SC 29707, US

