

RB48V200

LITHIUM IRON PHOSPHATE BATTERY

FI FC	TRICAL	SPECIE	ICATIONS
LLLU	IIIIUAL		ICATIONS

Nominal Voltage	51.2 V
Nominal Capacity	200 Ah
Capacity @ 25A	480 min
Energy	10.24 kWh
Resistance	50 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	250 A (4 s ±1 s)
PCM Discharge Current Cut-Off	450 A (±80 A)
Recommended Low Voltage Disconnect	44 V
PCM Discharge Voltage Cut-Off	32 V
Reconnect Voltage	40 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 34.1 x 14.1 x 15.5" Dimensions (L x W x H) 867 x 358 x 393 mm Weight 265 lbs (120 kg) **Terminal Type** M10 **Terminal Torque** 110 - 125 in-lbs (12.2 - 14 N-m) Case Material Steel Case **Enclosure Protection** IP56 Cell Type - Chemistry Cylindrical - LiFePO₄

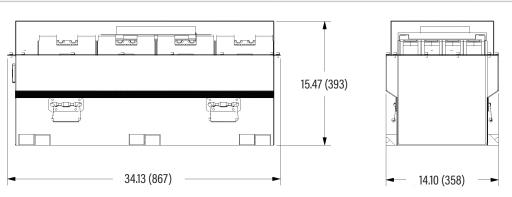
CHARGE SPECIFICATIONS

Recommended Charge Current	100 A
Maximum Charge Current	200 A
PCM Charge Current Cut-Off	450 A (±80 A)
Recommended Charge Voltage	56.8 V - 58.4 V
PCM Charge Voltage Cut-Off	60.8 V
Reconnect Voltage	57.6 V
Balancing Voltage	57.6 V

COMPLIANCE SPECIFICATIONS

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

DIMENSIONAL SPECIFICATIONS



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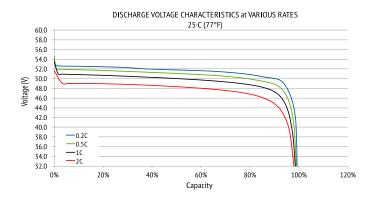
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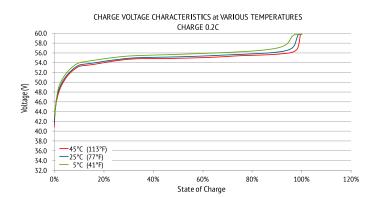


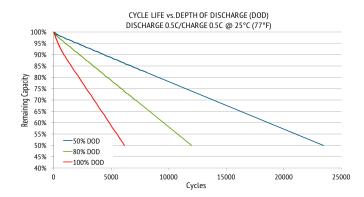


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PERFORMANCE CHARACTERISTICS



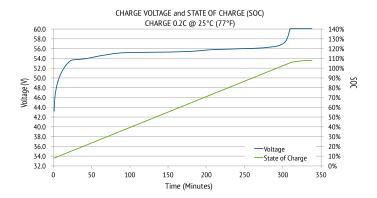


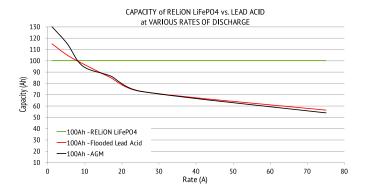


60.0 58.0 56.0 54.0 52.0 50.0 Voltage (V) 48.0 46.0 44.0 42.0 40.0 60°C (140°F) 45°C (113°F) 38.0 25°C (77°F) 10°C (50°F) 36.0 —-10°C (14°F) 34.0 32.0 0% 20% 40% 60% 80% 100% 120%

Capacity

DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS TEMPERATURES DISCHARGE 1C







CE **7**1° IEC

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+1.803.547.7288 844.385.9840 9868 Harrisburg Road

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