

RB48V200



LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

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

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	250 A (4 s ±1 s)
BMS Discharge Current Cut-Off	450 A ±80 A (100 ±20 ms)
Recommended Low Voltage Disconnect	44 V
BMS Discharge Voltage Cut-Off	32 V (2.0 ±0.08 vpc) (100 ±20 ms)
Reconnect Voltage	40 V (2.5 ±0.1 vpc)
Short Circuit Protection	200-600 µs

TEMPERATURE SPECIFICATIONSDischarge Temperature-4 to 140 °F (-20 to 60 °C)Charge Temperature32 to 113 °F (0 to 45 °C)Storage Temperature23 to 95 °F (-5 to 35 °C)BMS High Temperature Cut-Off - Discharge176 °F (80 °C)Reconnect Temperature140 °F (60 °C)

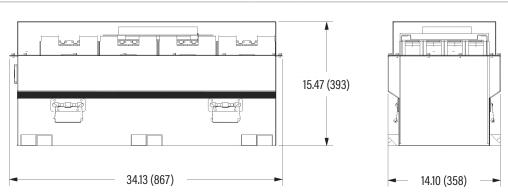
MECHANICAL SPECIFICATION	S
Dimensions (L x W x H)	34.1 x 14.1 x 15.5" 867 x 358 x 393 mm
Weight	302 lbs (137 kg)
Terminal Type	M10
Terminal Torque	110 - 125 in-lbs (12.2 - 14 N-m)
Case Material	Steel Case
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO $_4$
CHARGE SPECIFICATIONS	
Recommended Charge Current	100 A

- 58.4 V
(3.8 ±0.025 vpc) 0.3 s)
(3.6 ±0.05 vpc)
(3.6 ±0.025 vpc)

COMPLIANCE SPECIFICATIONS

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

DIMENSIONAL SPECIFICATIONS



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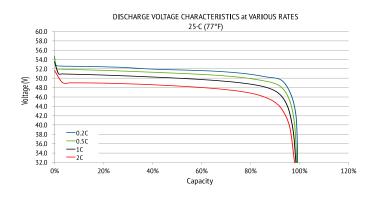
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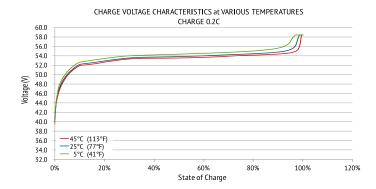


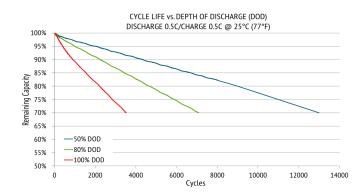


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PERFORMANCE CHARACTERISTICS

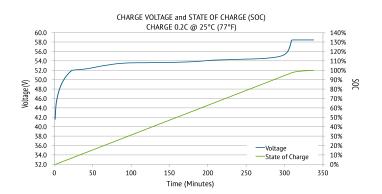




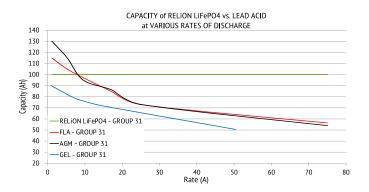


DISCHARGE 1C 60.0 58.0 56.0 54.0 52.0 50.0 48.0 Voltage (V) 46.0 44.0 42.0 40.0 - 60°C (140°F) 25°C (77°F) 0°C (32°F) 45°C (113°F) 10°C (50°F) -10°C (14°F) 38.0 _ 36.0 34.0 -20°C (-4°F) 32.0 0% 20% 40% 60% 80% 100% 120%

DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS TEMPERATURES



Capacity





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