



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	10 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1 (Single Use)

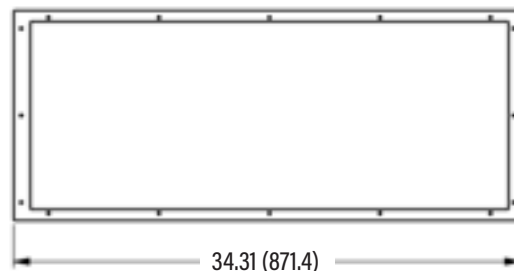
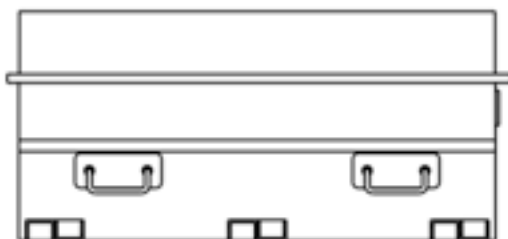
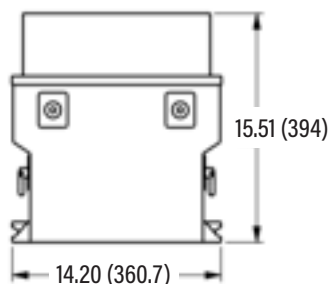
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	250 A (4 s ±1 s)
BMS Discharge Current Cut-Off	390 A (5s)
Recommended Low Voltage Disconnect	44 V
BMS Discharge Voltage Cut-Off	40 V (2.5 ±0.1 vpc)
Reconnect Voltage	40.5 V (2.53 ±0.1 vpc)
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 131°F (-20 to 55°C)
Charge Temperature	-4 to 131°F (-20 to 55°C)
Storage Temperature	23 to 95 °F (-5 to 35 °C)
BMS High Temperature Cut-Off	149° F (65°C)
Reconnect Temperature	145° F (63 °C)
BMS Low Temperature Cut-Off	-4° F (-20 °C)
Reconnect Temperature	-0.4° F (-18 °C)

DIMENSIONAL SPECIFICATIONS



MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	34.3 x 14.2 x 15.6" 872 x 361 x 395 mm
Weight	302 lbs (137 kg)
Terminal Type	M10 X1.5
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
Maximum Charge Current	200 A
Recommended Charge Voltage	56.0 V - 58.4 V
BMS Charge Voltage Cut-Off	60.8 V
Reconnect Voltage	60.3V

COMPLIANCE SPECIFICATIONS

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





PERFORMANCE CHARACTERISTICS

