

Voltage: 38.4V | Capacity: 100 Ah | Energy: 3840 Wh | DATA SHEET

Lithium iron phosphate battery | LiFePO4

ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4V
Nominal Capacity	100 Ah
Capacity @ 20A	300 min
Resistance	≤18 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Cycle Life	4000 times DOD80% (0.5C)
Maximum Modules in Series	1(Single use)

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100 A
Peak Discharge Current	600A(3-5S)
BMS Discharge Current Cut-Off	600A(3-5S)
Recommended Low Voltage Disconnect	33 V
BMS Discharge Voltage Cut-Off	28.8V (2.4 ±0.08 v) (2 s)
Reconnect Voltage	31.2 V (2.6 ±0.1 v)
Short Circuit Protection	200-600 μs
Bluetooth	5.0

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	14 to 113 °F (-10 to 45°C)
BMS High Temperature Cut-Off	167 °F (75 °C)
Reconnect Temperature	149°F (65 °C)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	16.5(17.7) x 12.6(13.7)x 8.6 inch 420 (450) x 320 (350) x 220 mm
Weight	77.1 lbs (35.0 kg)
Terminal Type	M8 x 1.25
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	SPCC
Enclosure Protection	IP54
Cell Type - Chemistry	Cylindrical - LiFePO4

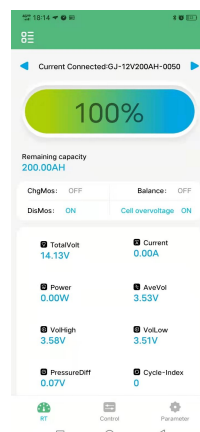
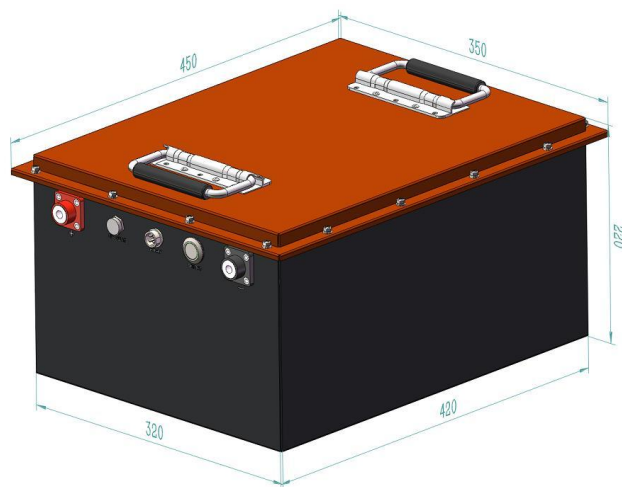
CHARGE SPECIFICATIONS

Recommended Charge Current	20 A
Maximum Charge Current	100 A
Recommended Charge Voltage	42.6 V – 43.8 V
BMS Charge Voltage Cut-Off	45 V (3.75 ±0.025 v) (2 s)
Reconnect Voltage	42.0 V (3.5 ±0.05 v)
Balancing Voltage	40.8V (3.4 ±0.025 v)

COMPLIANCE SPECIFICATIONS

Certifications	UN38.3 (battery) CE (battery) UL1642
Shipping Classification	UN 3480, CLASS 9

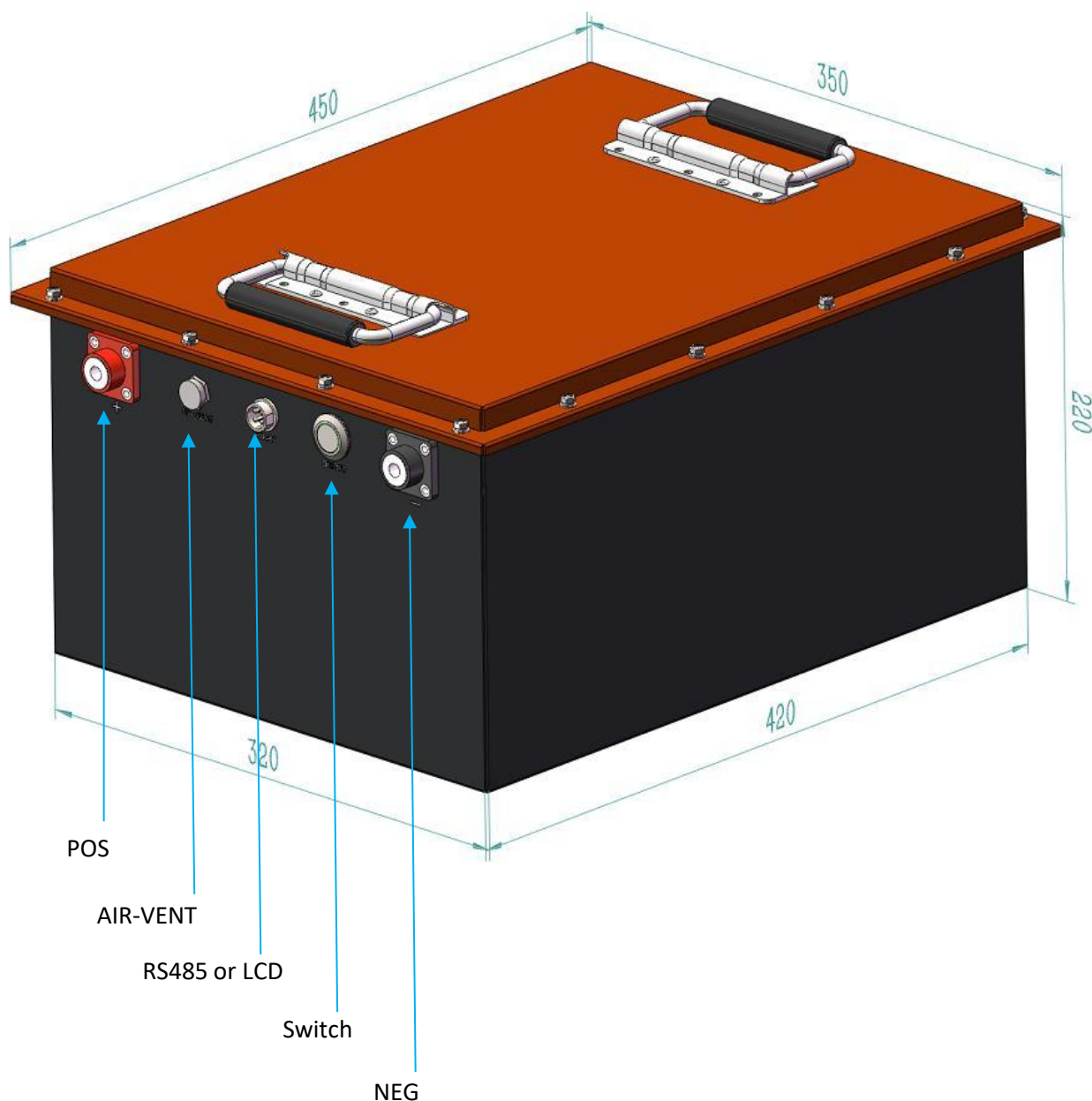
DIMENSIONAL SPECIFICATIONS



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PERFORMANCE CHARACTERISTICS

