

Voltage: 76.8V | Capacity: 100 Ah | Energy: 7680 Wh

Lithium iron phosphate battery | LiFePO4

ELECTRICAL SPECIFICATIONS

Nominal Voltage	76.8V
Nominal Capacity	100 Ah
Capacity @ 20A	300 min
Resistance	≤25 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	600 A (3-5 s)
BMS Discharge Current Cut-Off	600 A (3-5 s)
Recommended Low Voltage Disconnect	64.8 V
BMS Discharge Voltage Cut-Off	60 V (2.5 ±0.05 v) (1-2s)
Reconnect Voltage	64.8 V (2.7 ±0.05 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)	30.7(31.8)x 12.5(13.7) x 8.6 inch 780 (810) x 320 (350) x 220 mm
Weight	143.3 lbs (65 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

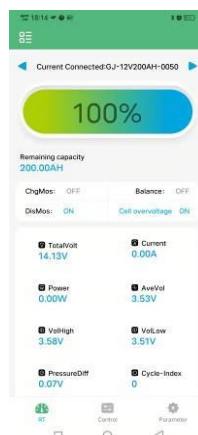
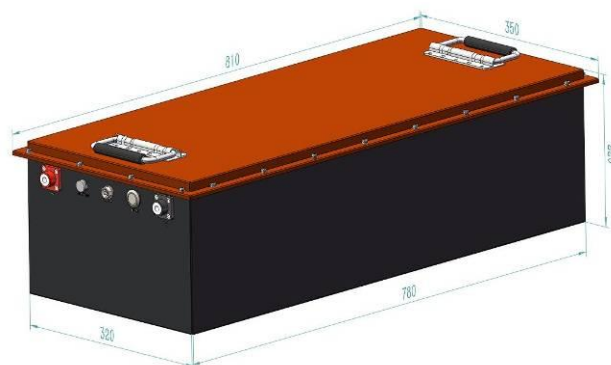
CHARGE SPECIFICATIONS

Recommended Charge Current	20 A
Maximum Charge Current	100 A
Recommended Charge Voltage	85.2 V – 87.6 V
BMS Charge Voltage Cut-Off	90 V (3.75 ±0.05 v) (1.0 s)
Reconnect Voltage	85.2 V (3.55 ±0.05 v)
Balancing Voltage	81.6 V (3.4 ±0.05 v)

COMPLIANCE SPECIFICATIONS

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

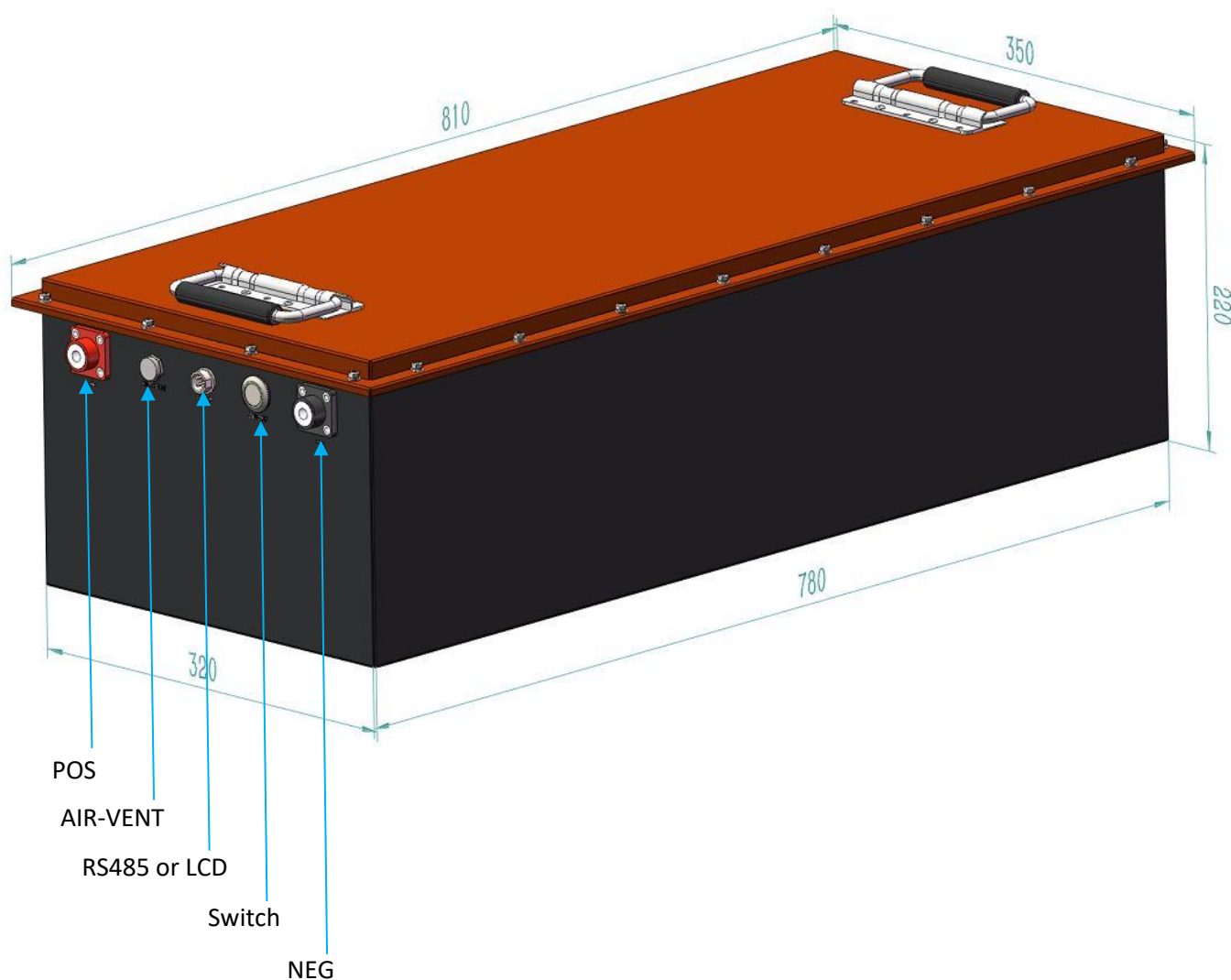
DIMENSIONAL SPECIFICATIONS



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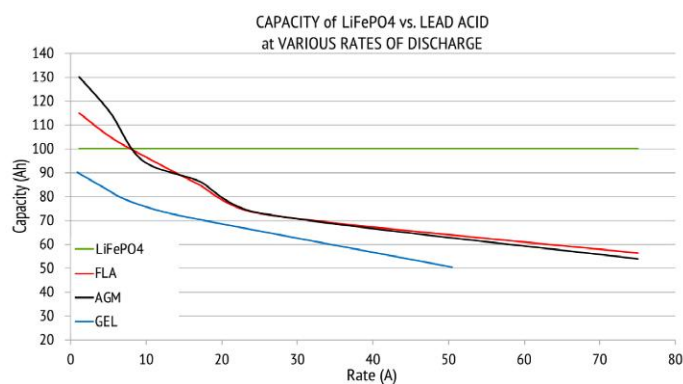
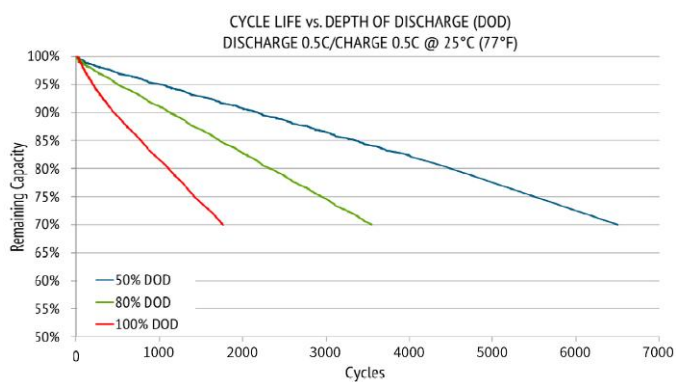
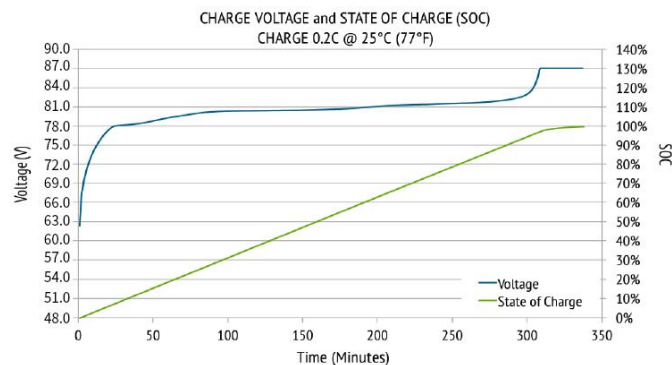
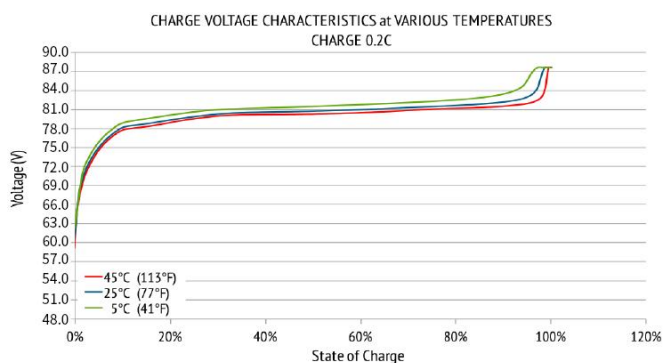
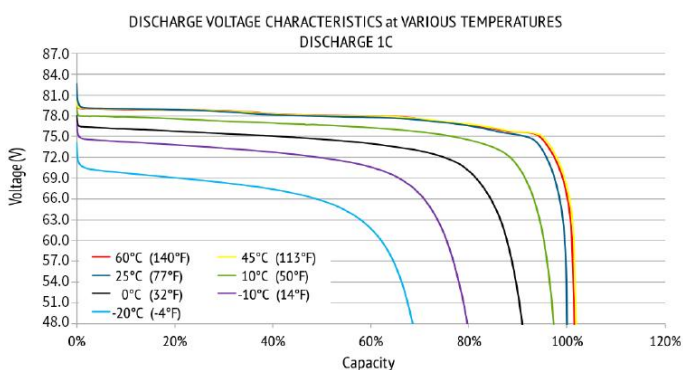
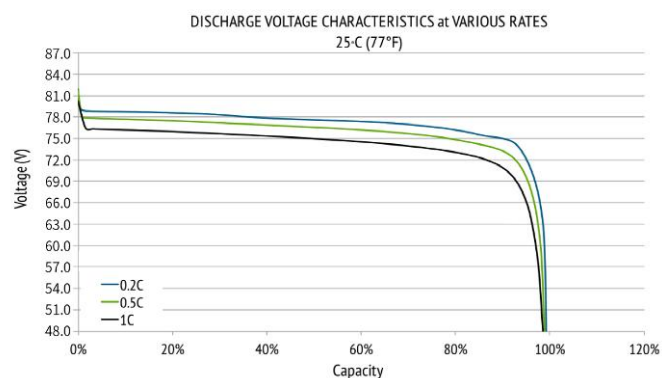
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PERFORMANCE CHARACTERISTICS



UN38.3

