

Voltage: 12.8V | Capacity: 200 Ah | Energy: 2560 Wh

LITHIUM IRON PHOSPHATE BATTERY | LIFEPO4

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	200 Ah
Capacity @ 40A	300 min
Resistance	≤10 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Cycle Life	2000 times DOD100% (0.5C)
Maximum Modules in Series	2

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	800 A (3-5 s)
BMS Discharge Current Cut-Off	800 A (3-5 s)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	9.6 V (2.4 ±0.08 vpc) (2s)
Reconnect Voltage	10.4 V (2.6 ±0.1 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	14 to 113 °F (-10 to 45°C)
BMS High Temperature Cut-Off	167 °F (75 °C)
Reconnect Temperature	122°F (50 °C)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	20.55 x 9.45 x 8.58 inch 522 x 240 x 218 mm
Weight	48.5 lbs (22.0 kg)
Terminal Type	M8 x 1.25
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	Prismatic - LiFePO4

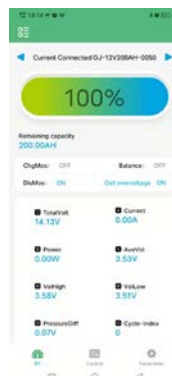
CHARGE SPECIFICATIONS

Recommended Charge Current	40 A
Maximum Charge Current	200 A
Recommended Charge Voltage	14.2 V – 14.6V
BMS Charge Voltage Cut-Off	15.0 V (3.75 ±0.025 v) (2 s)
Reconnect Voltage	14.0 V (3.5 ±0.05 v)
Balancing Voltage	13.6 V (3.4 ±0.025 v)

COMPLIANCE SPECIFICATIONS

Certifications	UN38.3 (battery) CE (battery) UL1973 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

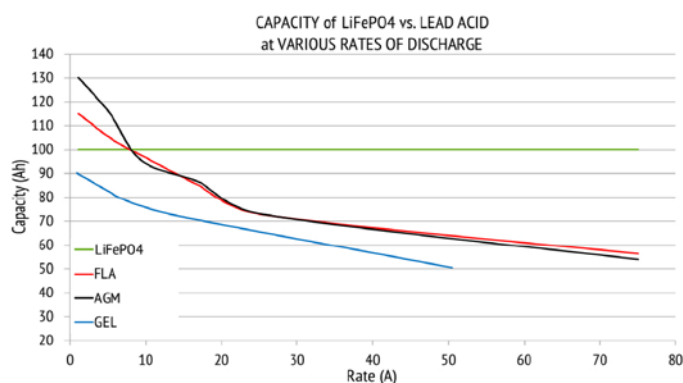
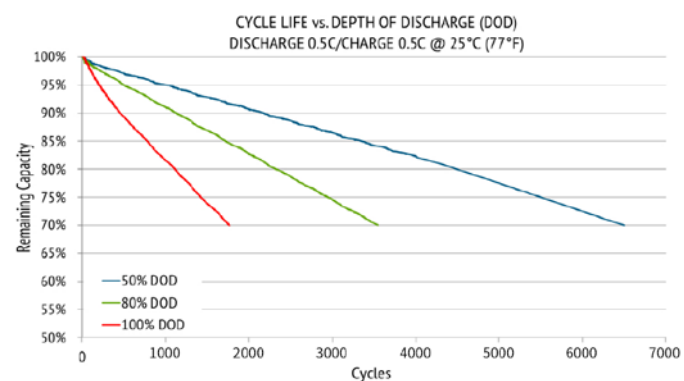
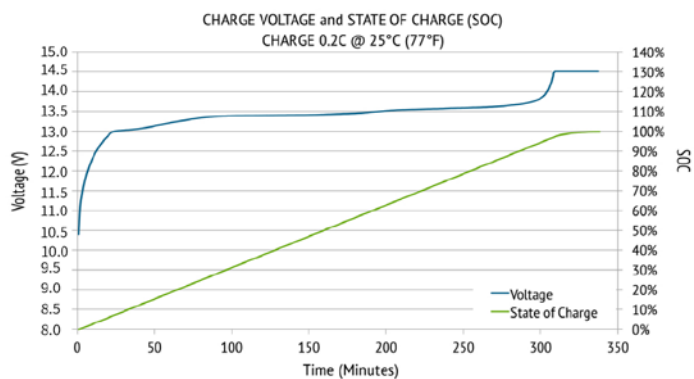
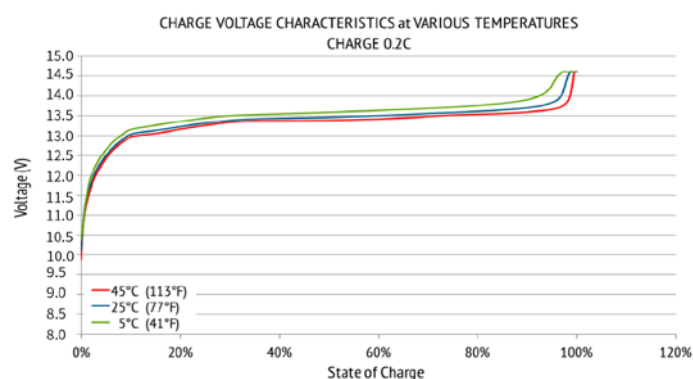
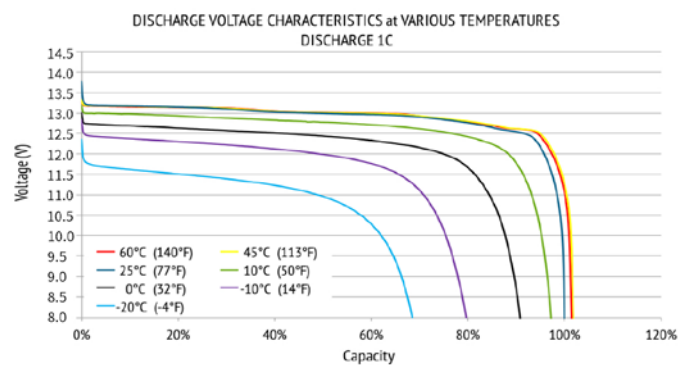
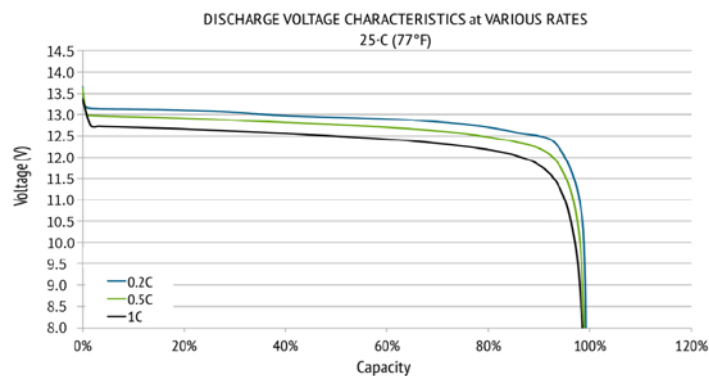
DIMENSIONAL SPECIFICATIONS



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PERFORMANCE CHARACTERISTICS



UN38.3

