



## LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Capacity © 20 A	300min
Energy	1280Wh
Resistance	$\leq$ 30 m $\Omega$ 10 50% SOC
Efficienty	99%
Self Discharge	<3.5% per Month
Maximum Modules in Series Or Parallel	6

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	10DA
Peak Discharge Current	260 A [≤5 s]
BMS Discharge Current Cut-Off	300A±50A(2.2 ±1 ms)
Recommended Low Voltage Disconnect	8V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (100 ±50 ms)
Reconnect Voltage	10V (2.5 ±0.1 vpc)
Short Circuit Protection	200-400 µs

TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 ºF (-20 to 60 ºC)
Charge Temperature	32 to 113 ºF (0 to 45 ºC)
Storage Temperature	23 to 95 ºF (-5 to 35 ºC)
BMS High Temperature Cut-Off (discharge)	149 ºF (65 ºC)(Customized)
Reconnect Temperature	122 ºF (50 ºC)(Customized)
Low Temperature Cut-Off (Charge)	32 ºF (0 ºC)(Customized)
High Temperature Cut-Off(Charge)	129.2 ºF (54 ºC)(Customized)

## MECHANICAL SPECIFICATIONS

325*175*215 mm
11.5KG
M8
ABS
IP56
Prismatic
LiFeP04
4S1P

CHARGE SPECIFICATIONS	
Recommended Charge Current	50A
Maximum Charge Current	100A
Recommended Charge Voltage	14.6V
BMS Charge Voltage Cut-Off	15.6V(3.9±0.1V)
Reconnect Voltage	15.2V(3.8±0.1V)
Balancing Voltage	14.4 V (3.6 ±0.025 vpc)
Balancing Current	35 ±5 mA

## COMPLIANCE SPECIFICATIONS

Certifications	CE (battery) UN38.3 (battery) UL1973 & IEC62133 (cells)

Shipping Classification

UN 3480, CLASS 9

## DIMENSIONAL SPECIFICATIONS



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