



LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Capacity @ 20A	300min
Energy	1280Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	4

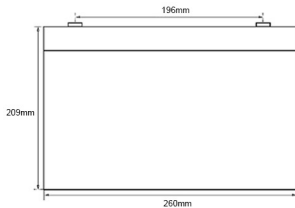
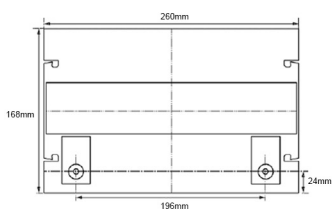
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Peak Discharge Current	260A≤5s
BMS Discharge Current Cut-off	300A±50A [2.2±1ms]
Recommend Low Voltage Disconnect	8.8V
BMS Discharge Voltage Cut-off	8.8V[2.2±0.08 vpc] [100±50ms]
Reconnect Voltage	10V[2.5±0.1vpc]
Short Circuit Protection	200-400μs

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140°F[-20 to 60°C]
Charge Temperature	32 to 113°F[0 to 45°C]
Storage Temperature	23 to 95°F[-5 to 35°C]
BMS High Temperature Cut-off Discharge	149°F[65°C][Customized]
Reconnect Temperature	122°F[50°C][Customized]
Low Temperature Cut-off Charge	32°F[0°C][Customized]
High Temperature Cut-off Charge	129.2°F[54°C][Customized]

DIMENSIONAL SPECIFICATIONS



MECHANICAL SPECIFICATIONS

Dimensions[L*W*H]	260*168*209mm
Weight	12KG
Terminal Type	M8/M6
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	4S1P

CHARGE SPECIFICATIONS

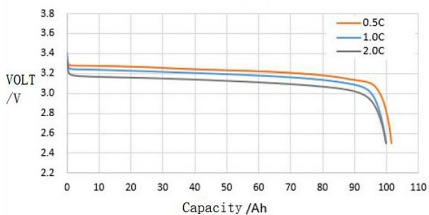
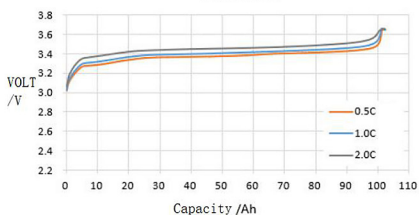
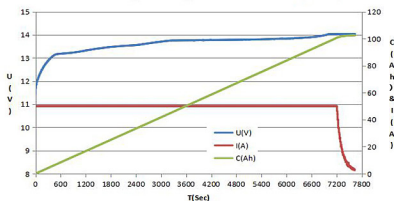
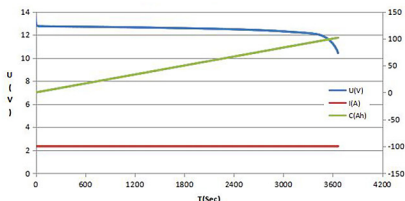
Remomend Charge Current	5A- 50A
Maximum Charge Current	100A
Recommend Charge Voltage	14.2-14.6V
BMS Charge Voltage Cut-off	15.0V[3.75±0.1V]
Reconnect Voltage	14.6V[3.65±0.1V]
Balancing Voltage	14.0V[3.5±0.025vpc]
Balancing Current	35±5mA

COMPLIANCE SPECIFICATIONS

Certifications CE[Battery], UN38.3[Battery]
IEC62133[cell]

Shipping Classification UN3480,CLASS9




PERFORMANCE SPECIFICATIONS
Charge/Discharge Capacity At Different Rates for cell [Room Temperature]
Discharge Capacity

Charge Capacity

Charge/Discharge Capacity At Different Rates for Battery Pack [Room Temperature]
0.5C Charge Voltage & Current & Capacity Curve

1.0C Discharge Voltage & Current & Capacity Curve

PRODUCT DISPLAY
