



**24 Volt | 100 Amp Hour**

**Group3ET**

## LITHIUM IRON PHOSPHATE BATTERY

### ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6V
Nominal Capacity	100Ah
Capacity @ 20A	300min
Energy	2560Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	4

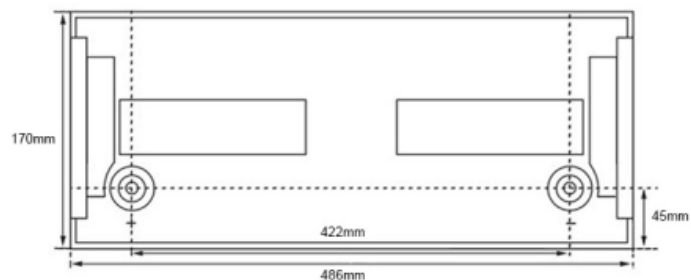
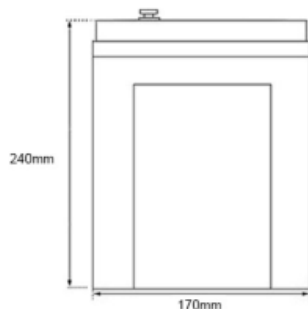
### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Peak Discharge Current	260A≤5s
BMS Discharge Current Cut-off	300A±50A [2.2±1ms]
Recommend Low Voltage Disconnect	17.6V
BMS Discharge Voltage Cut-off	17.6V[2.2±0.08 vpc] [100±50ms]
Reconnect Voltage	20V[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]	486*170*240mm
Weight	20KG
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	8S1P

### CHARGE SPECIFICATIONS

Remomend Charge Current	5A- 50A
Maximum Charge Current	100A
Recommend Charge Voltage	28.4-29.2V
BMS Charge Voltage Cut-off	30V[3.75±0.1V]
Reconnect Voltage	29.2V[3.65±0.1V]
Balancing Voltage	28.0V[3.5±0.025vpc]
Balancing Current	35±5mA

### COMPLIANCE SPECIFICATIONS

Certifications	CE[Battery],UN38.3[Battery] IEC62133[cell]
Shipping Classification	UN3480,CLASS9



**12 Volt | 200 Amp Hour**

**Group3ET**

**LITHIUM IRON PHOSPHATE BATTERY**

**ELECTRICAL SPECIFICATIONS**

Nominal Voltage	12.8V
Nominal Capacity	200Ah
Capacity @ 20A	600min
Energy	2560Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	4

**MECHANICAL SPECIFICATIONS**

Dimensions[L*W*H]	486*170*240mm
Weight	22KG
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	4S2P

**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

**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

**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]

**COMPLIANCE SPECIFICATIONS**

Certifications	CE[Battery], UN38.3[Battery] IEC62133[cell]
Warranty	5 YEARS
Shipping Classification	UN3480, CLASS9

**DIMENSIONAL SPECIFICATIONS**

