


TE-24150
Group6D

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6V
Nominal Capacity	150Ah
Capacity @ 20A	450min
Energy	3840Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	2S4P

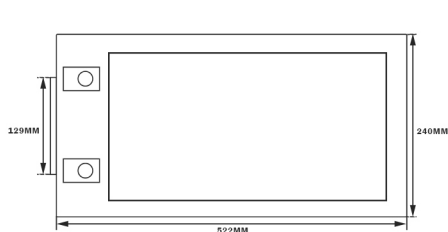
DISCHARGE SPECIFICATIONS

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

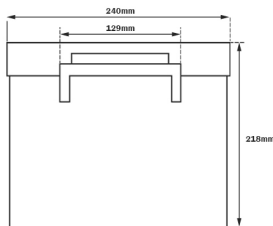
Dimensions[L*W*H]	522*240*218mm
Weight	35KG
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	8S1P

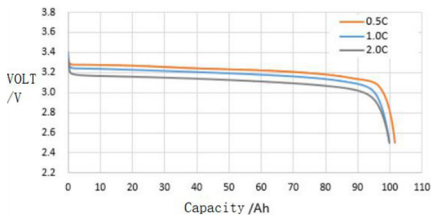
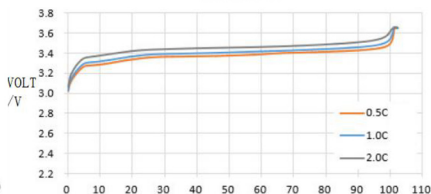
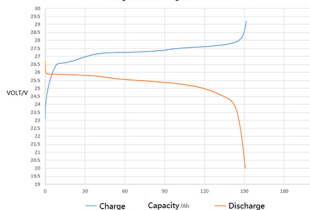
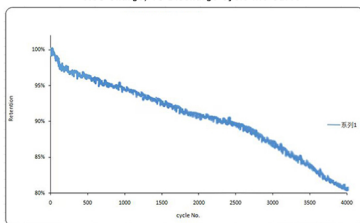
CHARGE SPECIFICATIONS

Remomend Charge Current	5A-75A
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]
Warranty	5 YEARS
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]
25°C, 0.5C Charge, 1C Discharge, Voltage & Capacity Curve
Charge and discharge curve @0.5C/1.0C

0.5C Charge, 1C Discharge Cycle Life Curve

PRODUCT DISPLAY
