

TE-12150



LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS		
Nominal Voltage	12.8V	
Nominal Capacity	150Ah	
Capacity @ 20A	450min	
Energy	1920Wh	
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	

Dimensions[L*W*H]	532*207*215mm
Weight	17KG
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	4S3P

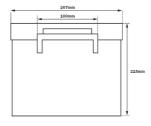
CHARGE SPECIFICATIONS		
Remommend Charge Current	5A- 50A	
Maximum Charge Current	100A	
Recommend Charge Voltage	14.2-14.6V	
BMS Charge Voltage Cut-off	15V[3.75±0.1V]	
Reconnect Voltage	14.6V[3.65±0.1V]	
Balancing Voltage	14.0V[3.5±0.025vpc]	
Balancing Current	35±5mA	

COMPLIANCE SPECIFICATIONS

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

Warranty	5 YEARS	
Shipping Classification	UN3480,CLASS9	





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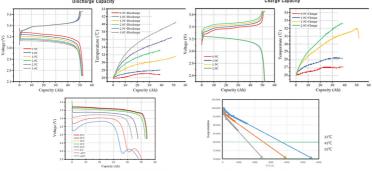




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PERFORMANCE SPECIFICATIONS

Charge/Discharge Capacity At Different Rates for cell [Room Temperatue] Discharge Capacity

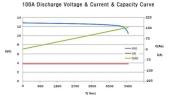


Discharge performance at different temperatures

Battery cycling at different temperatures

Charge/Discharge Capacity At Different Rates for Battery Pack [Room Temperatue]





PRODUCT DISPLAY









UN38.3 (€ 🚳 MSDS 🖟

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