


TE-2000
Group5D

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	48V
Nominal Capacity	50Ah
Capacity @ 20A	150min
Energy	2400Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Parallel	15

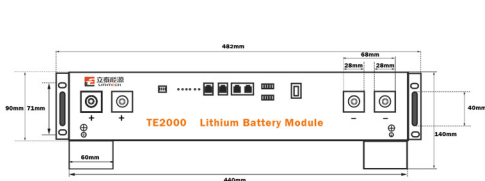
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50A
Peak Discharge Current	100A±3s
BMS Discharge Current Cut-off	130A±20A [90±10ms]
Recommend Low Voltage Disconnect	42V
BMS Discharge Voltage Cut-off	42V[2.8±0.08 vpc] [100±50ms]
Reconnect Voltage	45V[3.0±0.1vpc]
Short Circuit Protection	200-350μs

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

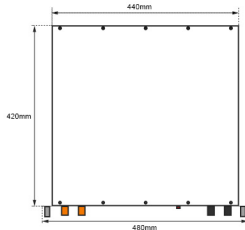
Dimensions[L*W*H]	482*420*90mm
Weight	25.5KG
Terminal Type	Connector
Case Material	Steel
Enclosure Protection	IP20
Cell Type	Prismatic
Chemistry	LiFePO4
Configuration	15S1P

CHARGE SPECIFICATIONS

Remomend Charge Current	25A
Maximum Charge Current	30A
Recommend Charge Voltage	52.5-54V
BMS Charge Voltage Cut-off	54V[3.75±0.1V]
Reconnect Voltage	51.8V[3.45±0.1V]
Balancing Voltage	52.5V[3.5±0.025vpc]
Balancing Current	35±5mA

COMPLIANCE SPECIFICATIONS

Certifications	CE[Battery], UN38.3[Battery] IEC62133[cell]
Communication	RS232, RS485, CAN
Shipping Classification	UN3480, CLASS9



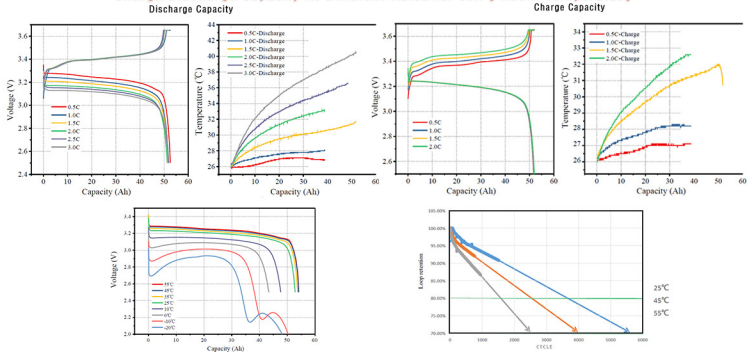


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PERFORMANCE SPECIFICATIONS

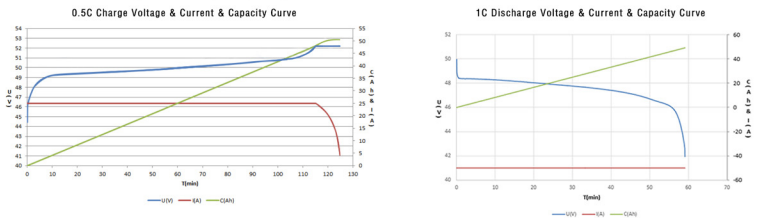
Charge/Discharge Capacity At Different Rates for cell [Room Temperature]



Discharge performance at different temperatures

Battery cycling at different temperatures

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



PRODUCT DISPLAY



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UN38.3 CE MSDS