

Lithium Iron Phosphate Battery

ELECTRICAL CHARACTERISTICS

Nominal Voltage	25.6V
Nominal Capacity	200AH
Capacity @ 25A Capacity	480 min
Internal Resistance @ 100% SOC	36 mΩ
Cycle Life @ 1C 100% DOD	>4000 cycles
Efficiency of Charge @ 0.5C	100%
Efficiency of Discharge @ 0.5C	96-99%
Self Discharge	<3% per Month

MECHANICAL SPECIFICATIONS

Dimensions(L x W x H/TH)(mm)	522x268x220/224
Approx. Weight (Kg)	37.50kgs
Terminal Type	M8
QTY in series (Battery)	2PCS or Optional
Case Material	ABS
Enclosure Protection	IP66
Cell Type-Chemistry	quadrate-LiFePO4

CHARGE CHARACTERISTICS

Standard Charge Current (0.2C)	24A
Recommended Charge Current (0.5C)	50A
Maximum Charge Current	100A
Recommended Charge Voltage	28.0V - 29.2V
BMS Charge Voltage Cut-Off	31.2V (3.9 ± 0.025VPC)
Reconnect Voltage	30.4V (3.8 ± 0.05VPC)
Balancing Voltage	28.8V (3.6VPC)
Charge Mode @ 0.2C to 14.6V	CC-CV

DISCHARGE CHARACTERISTICS

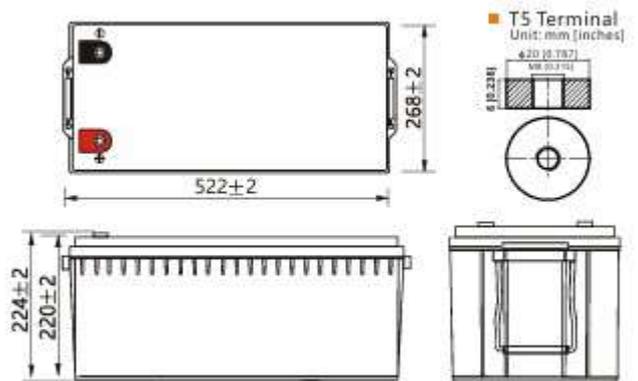
Maximum Continuous Discharge Current	100A
Peak Discharge Current	120A(<3s)
BMS Discharge Current Cut-Off	450±15A(9ms)
Recommended Low Volt Disconnect	22V
BMS Discharge Voltage Cut-off	16V (2.0 ± 0.08VPC)
Reconnect Voltage	18.4V (2.0 ± 0.08VPC)
Short Circuit Protection	1000A

COMPLIANCE

Certifications	UN38.3(battery) CE(battery) UL1642&IEC62133(cells)
Shipping Classification	UN 3480, CLASS 9



DIMENSIONS



TEMPERATURE

Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	-20°C to 35°C
BMS High Temperature Cut-Off	75°C
Reconnect Temperature	65°C

HUMIDITY

Charge Humidity	45 to 85%
Discharge Humidity	45 to 85%
Storage Humidity	45 to 85%

MAIN APPLICATIONS

Energy Storage / UPS / Marines / RV / EPS / Portable Power Supply / Solar or Wind Power Generation Stations, etc.

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