

DATA SHEET

LFP200-12BH[12.8V200AH]

With Heating pad & Bluetooth

LiFePO4

Voltage: 12.8V | Capacity: 200Ah | Energy: 2560Wh

Lithium Iron Phosphate Battery

ELECTRICAL CHARACTERISTICS

Nominal Voltage	12.8V
Nominal Capacity	200AH
Capacity @0.2CA	300min
Internal Resistance @100%SOC	≤1.0mΩ
Cycle Life @1C 100%DOD	>3000 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)	522 x 240 X 219/224
Approx.Weight(Kg)	22.00
Terminal Type	M8
QTY in series (Battery)	2PCS or Customized
Case Material	ABS
Enclosure Protection	IP66
Cell Type - Chemistry	LiFePO4

CHARGE CHARACTERISTICS

Standard Charge Current (0.2C)	40.0A
Recommended Charge Current (0.5C)	100.0A
Maximum Charge Current	100A
Recommended Charge Voltage	14.0V - 14.6V
BMS Charge Voltage Cut-Off	15.6V(3.9±0.025vpc)
Reconnect Voltage	15.2V(3.8±0.05vpc)
Balancing Voltage	14.4V(3.6vpc)
Charge Mode @ 0.2C to 14.6V	CC-CV

DISCHARGE CHARACTERISTICS

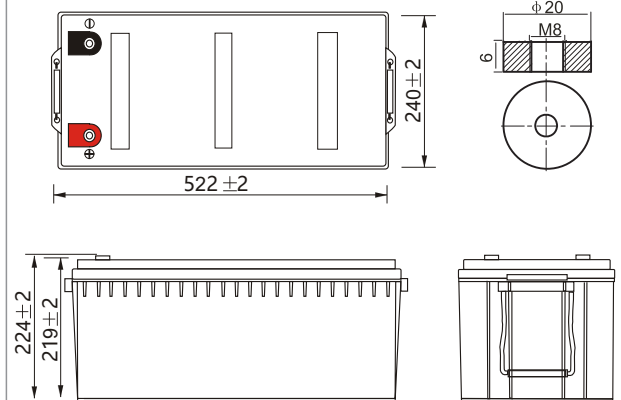
Maximum Continuous Discharge Current	100A
Peak Discharge Current	130A
BMS Discharge Current Cut-Off	370±50A
Recommended Low Voltage Disconnect	10.5V
BMS Discharge Voltage Cut-Off	8.4V(2.1±0.08vpc)
Reconnect Voltage	9.6V(2.4±0.08vpc)
Short Circuit Protection	1000A

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

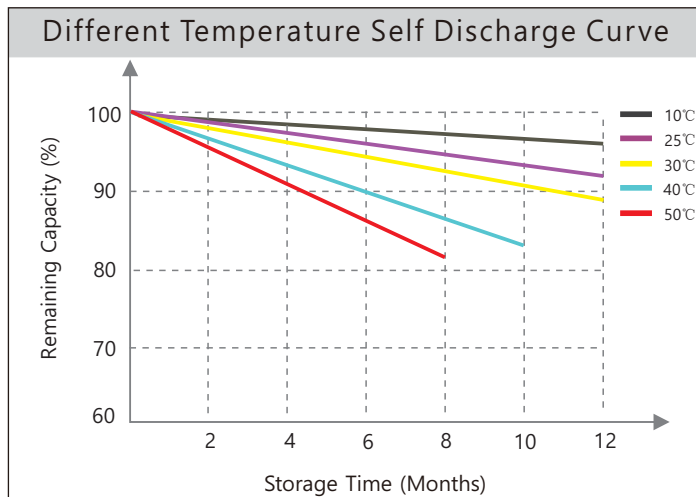
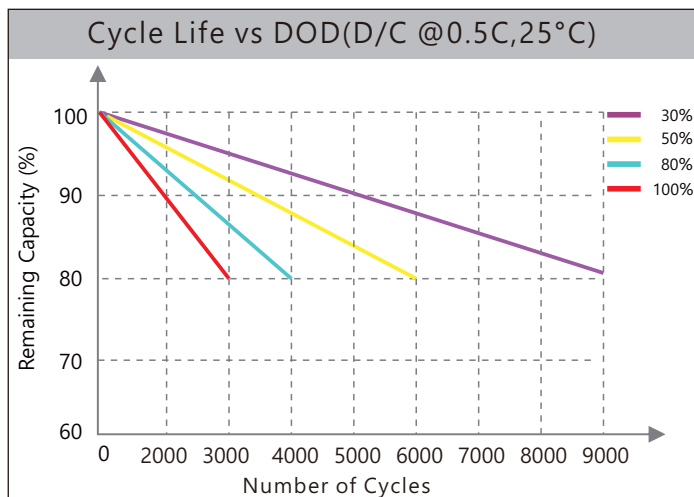
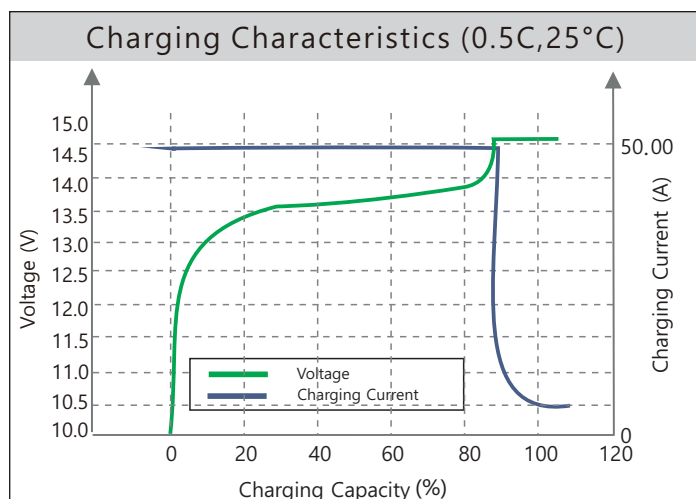
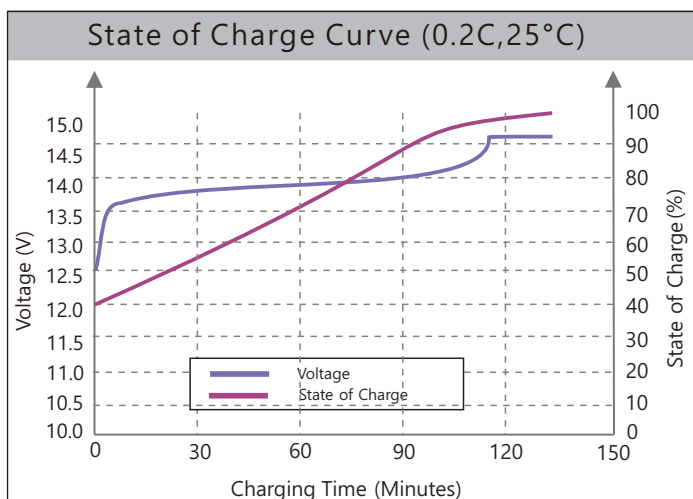
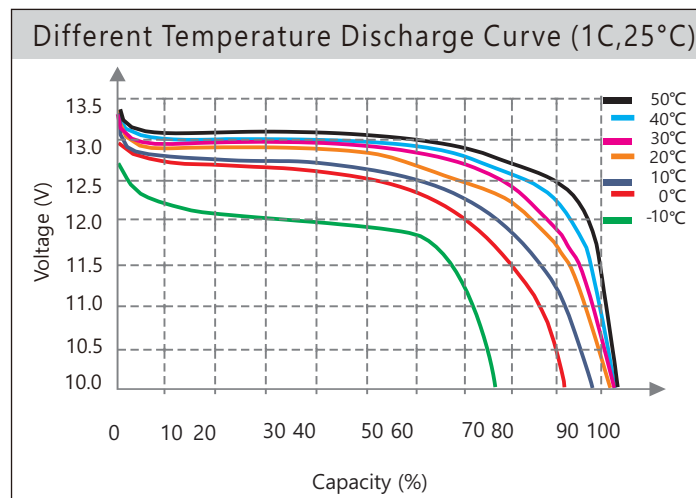
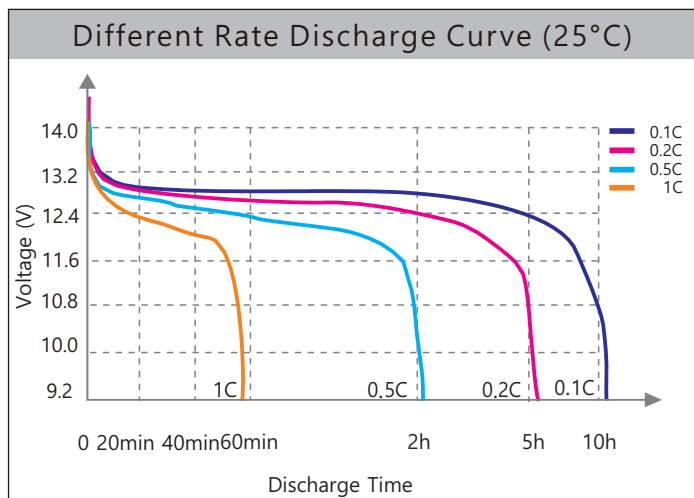
HUMIDITY

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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Notes: This tech data is just for your reference and it can be revised without prior notice.