

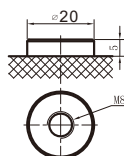
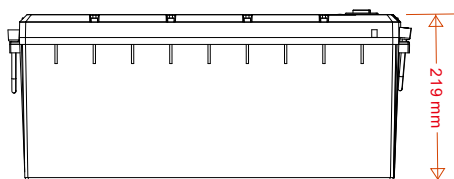
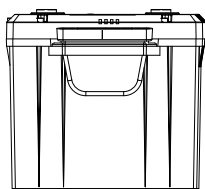
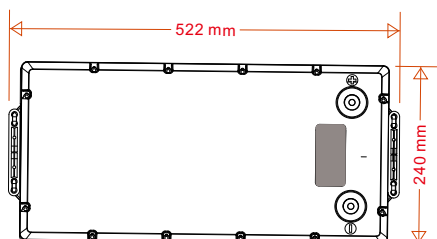
12.8V200Ah -100A



LiFePO4 BATTERY



Dimension:



Unit: mm

SAFETY

- + Long life type prismatic LiFePO4 cells.
- + Cell certification: UN38.3, ROHS, IEC62619, UL1973
- + Battery certification: UN38.3, MSDS
- + The cycle life over 3500 times

DESIGN

- + Detachable ABS case, better than traditional case.
- + IP 65 Class
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM

- + Integrated Hardware BMS inside.
- + Independent protection for charge and discharge.
- + OVP, LVP, OCP, OTP, LTP, Short circuit protection.

12.8V200Ah -100A

SPECIFICATION

Model	LFP12.8V200AH G1
Cell and Connection	3.2V104Ah, 2P4S
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	200
Total Energy [Wh]	2560
Max. Charging Current [A]	100
Recommended Charging Current [A]	100
Charging Voltage [V]	14.2~14.6
Max. Discharging Current [A]	100
End of Discharge Voltage [V]	11.2
Operating Temperature Range	Charge: 0 ~ +50°C Discharge: -20 ~ +55°C
Protection	Over charge, Over discharge, Over temperature, Low Temperature, Over Current, Short circuit
Cycle Life ¹	>3500 cycles
Designed Calendar Life	10 Years
Communication Port	/
LED Indicator and Button	/
Dimension (W*D*H, mm)	522*240*219
Weight [Kg]	20.5
Operation Humidity	0~95% RH (No condensing)
IP Class	IP65
Parallel Support ²	Yes, Max, 4Sets
Series Support	Yes, Max. 4 Sets
Certification-Cell	UN38.3; ROHS; IEC62619; UL1973
Certification-Battery	UN38.3; MSDS;

Note:

1. 0.5C /0.5C ,25°C, 80%DOD to 80% of initial capacity.
2. For parallel and series connection, refer to user manual.

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BMS Detail Information

Over-Charge Protection

Over-Charge Protection	3.75V± 25mV(For cell)
Over-Charge Protection Delay	500~1500 ms
Over-Charge Release	3.55V± 50mV(For cell)

Over-Discharge Protection

Over-Discharge Protection	2.2V± 80mV(For cell)
Over-Discharge Protection Delay	500~1500 ms
Over-Discharge Release	2.7V± 100mV(For cell)

Over Current Protection

Charge Over Current Protection	110A± 10A
Charge Over-Current Protection Delay	500~1500 ms
Charge Over Current Protection Release	Disconnect charger or Discharge
Discharge Over Current Protection	550A± 50A
Discharge Over Current Protection Delay	500~1500 ms
Discharge Over Current Protection Release	Disconnect load or Charge

Over Temperature Protection

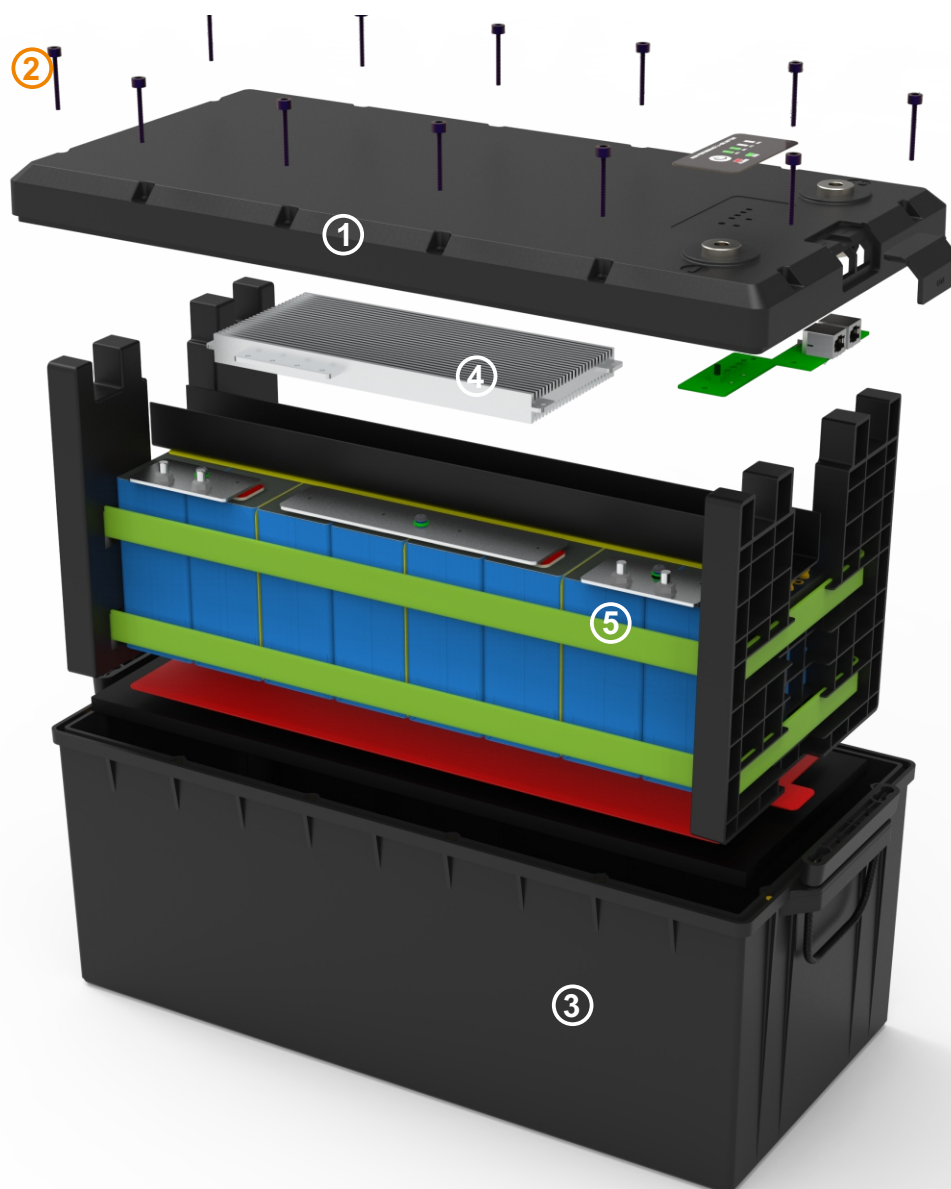
Charge Low Temperature Protection	0±2°C
Charge Low Temperature Protection Release	3±2°C
Charge High Temperature Protection	50±2°C
Charge High Temperature Protection Release	47±2°C
Discharge High Temperature Protection	67±2°C
Discharge High Temperature Protection Release	52±2°C
BMS High Temperature Protection	90±5°C
BMS High Temperature Protection Release	65±15°C

Short Circuit Protection

Short Current Protection Delay Time	200~300 uS
Short Current Release Method	Disconnect load

12.8V200Ah

INTERNAL STRUCTURE



① Detachable cover-ABS

③ Case -ABS

⑤ Cells Module

② Stainless steel screws

④ BMS (RD-ZY4S100A-V0)