

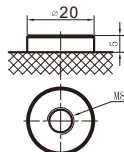
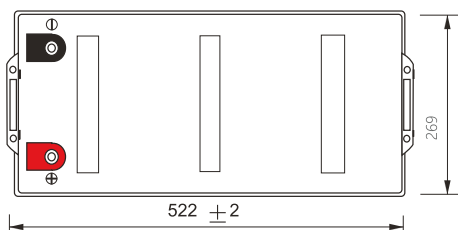
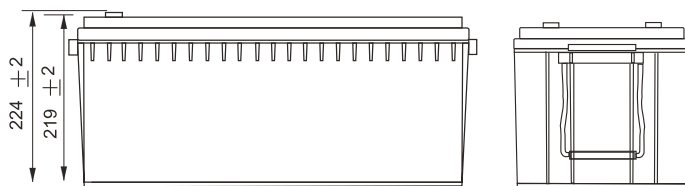
25.6V200Ah -200A



LiFePO4 BATTERY



Dimension:



Unit: mm

SAFETY

- + Long life type prismatic LiFePO₄ cells.
- + Cell certification: IEC62619, UL1973, UL9540A
- + Battery certification: UN38.3, MSDS, CE
- + The cycle life over 3500 times

DESIGN

- + ABS case, replace VRLA battery.
- + IP 65 Class
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM

- + Integrated Software BMS inside.
- + Independent protection for charge and discharge.
- + OVP, LVP, OTP, LTP, Short circuit protection.
- + Optional Parts:
Heater parts (200W)

25.6V200Ah -200A

SPECIFICATION

Model	LFP25.6V200AH
Cell and Connection	CB27173204EA-100Ah, 2P8S
Nominal Voltage [V]	25.6
Nominal Capacity [Ah]	200
Total Energy [Wh]	5120
Max. Charging Current [A]	150
Recommended Charging Current [A]	100
Charging Voltage [V]	28.4~29.2
Max. Discharging Current [A]	200 (Peak: 300A@5S, 400A @200ms)
End of Discharge Voltage [V]	22.4
Operating Temperature Range	Charge: 0 ~ +50°C Discharge: -20 ~ +55°C
Protection	Over Discharge, Over Charge, 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*269*219
Weight [Kg]	40.5
Operation Humidity	0~95% RH (No condensing)
IP Class	IP65
Parallel Support ²	Yes, Max, 4Sets
Series Support	Yes, Max. 2Sets
Certification-Cell	IEC62619, UL1973, UL9540A
Certification-Battery	UN38.3, MSDS
Optional Parts	Heater Parts (200W)

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.

BMS Detail Information

Over-Charge Alarm & Protection

Over-Charge Protection	3.7V (For cell) 29.6V (For pack)
Over-Charge Protection Delay	1000 ms
Over-Charge Release	3.45V (For cell) 27.6V (For pack)

Over-Discharge Alarm & Protection

Over-Discharge Protection	2.5V (For cell) 20V (For pack)
Over-Discharge Protection Delay	1000 ms
Over-Discharge Release	2.8V (For cell) 22.4V (For pack)

Over Current Alarm & Protection

Charge Over Current Alarm	120A
Charge Over Current Protection	220A
Charge Over-Current Protection Delay	15S
Charge Over Current Protection Release	Automatic release after 1min and up to 3 times or Discharge
Discharge Over Current Alarm	220A
Discharge Over Current Protection-1	230A
Discharge Over Current Protection-1 Delay	15S
Discharge Over Current Protection-2	240A
Discharge Over Current Protection-2 Delay	200ms
Discharge Over Current Protection Release	Automatic release after 1min and up to 3 times or Charge

Over Temperature Alarm & Protection

Charge Low Temperature Alarm	7°C
Charge Low Temperature Protection	0°C
Charge Low Temperature Protection Release	5°C
Charge High Temperature Alarm	50°C
Charge High Temperature Protection	55°C
Charge High Temperature Protection Release	45°C
Discharge Low Temperature Alarm	-10°C
Discharge Low Temperature Protection	-20°C
Discharge Low Temperature Protection Release	-17°C
Discharge High Temperature Alarm	55°C
Discharge High Temperature Protection	60°C
Discharge High Temperature Protection Release	50°C

Short Circuit Protection

Short Current Protection Delay Time	1500 uS
Short Current Release Method	Release load

Heater Control (for optional heater parts)

Heater ON	Cell temperatures ≤ 0°C and charger is connected
Heater OFF	Cell temperature > 10°C