

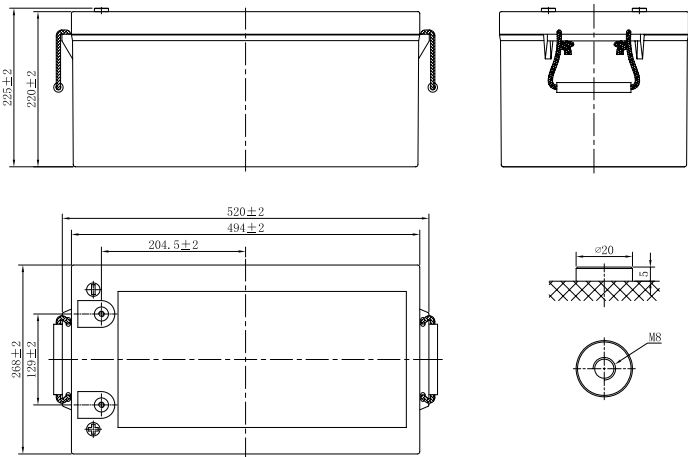
12.8V400Ah



-200A



Dimension:



Unit: mm

SAFETY

- + Long life type prismatic LiFePO4 cells.
- + Cell certification: IEC62619, UI1642, BIS, ROHS,
- + Battery certification: UN38.3, MSDS, CE
- + The cycle life over 3500 times

DESIGN

- + ABS case.
- + IP 65 Class
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM

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

12.8V400Ah

SPECIFICATION

Model	R-LFP12.8V400AH
Cell and Connection	CB27173204EA-100Ah, 4P4S
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	400
Total Energy [Wh]	5120
Max. Charging Current [A]	200
Recommended Charging Current [A]	100
Charging Voltage [V]	14.4~14.6
Max. Discharging Current [A]	200 (Peak: 220A@5S, 400A @200ms)
End of Dicharge 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
¹ Cycle Life	>3500 cycles
Designed Calendar Life	10 Years
Communication Port	/
LED Indicator and Button	/
Dimension (W*D*H, mm)	522*268*220
Weight [Kg]	40
Operation Humidity	0~95% RH (No condensing)
IP Class	IP65
² Parallel Support	Yes, Max, 4Sets
Series Support	Yes, Max. 4Sets
Certification-Cell	IEC62619, UL1642, BIS, ROHS
Certification-Battery	UN38.3, MSDS
Optional Parts	Heater Parts (200W) Bluetooth Module

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.

Li-ion Battery

BMS Detail Information

Over-Charge Alarm & Protection

Over-Charge Alarm 3.55V (For cell) 14.0V (For pack)

Over-Charge Protection 3.7V (For cell) 14.8V (For pack)

Over-Charge Protection Delay 1000 ms

Over-Charge Release 3.45V (For cell) 13.8V (For pack)

Over-Discharge Alarm & Protection

Over-Discharge Alarm 2.8V (For cell) 11.2V (For pack)

Over-Discharge Protection 2.5V (For cell) 10V (For pack)

Over-Discharge Protection Delay 1000 ms

Over-Discharge Release 2.8V (For cell) 11.2V (For pack)

Over Current Alarm & Protection

Charge Over Current Alarm 110A

Charge Over Current Protection 210A

Charge Over-Current Protection Delay 5S

Charge Over Current Protection Release Automatic release after 1min and up to 3 times or Discharge

Discharge Over Current Alarm 215A

Discharge Over Current Protection-1 220A

Discharge Over Current Protection-1 Delay 5S

Discharge Over Current Protection-2 400A

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