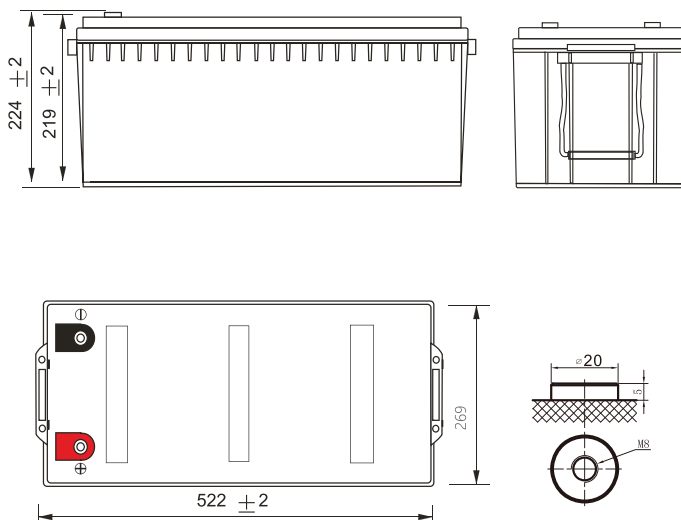


Rechargeable LiFePO₄ Battery

25.6V-200AH



Dimension:



SAFETY

- + Long life type prismatic LiFePO₄ cells.
- + Cell certification: IEC62619, UL1973, UL9540A

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)

25.6V-200AH

SPECIFICATION

Model	BTR-P-MRN1-25.6V-200AH
Cell and Connection	
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
Warranty period	5 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
Optional Parts	Heater Parts (200W)

2. For parallel and series connection, refer to user manual.

The datasheet is subject to change without prior notification

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