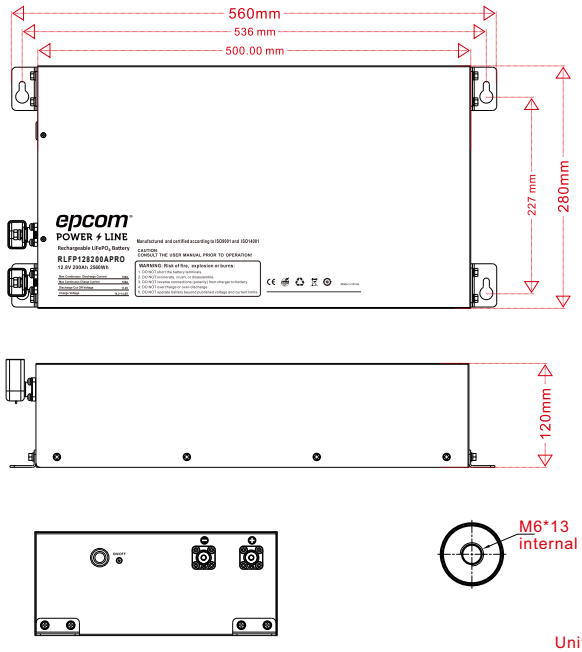
epcom POWER LINE

12.8V200Ah

Block Type LiFePO4 BATTERY



Dimension:



SAFETY

+ Long life type prismatic LiFePO4 cells, suitable for energy storage application.
+ Low voltage system, safety for application.
+ Cell certification: IEC62619, UL1973,UL9540A, ROHS.
+ Battery certification: UN38.3, MSDS.
+ Cycle life >3500 cycles.

DESIGN

+ Flexible and easily installation, support wall mounted.
+ IP 52 Class,
+ Maintenance free.

BATTERY MANAGEMENT SYSTEM

+ Integrated Hardware BMS inside.
+ Independent protection for charge and discharge.
+ OVP, LVP, OCP, OTP, LTP protection.
+ ON/OFF Button, safety for installation.

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12.8V200Ah

SPECIFICATION

Model	RLFP128200APRO
Cell and Connection	Cb79, 3.2V100AH, 2P4S
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	200
Total Energy [Wh]	2560
Max. Charging Current [A]	100
Recommended Charging Current [A]	80
Charging Voltage [V]	14.2~14.6
Max. Discharging Current [A]	100
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,
Cycle Life (1)	>3500 cycles
Designed Calendar Life	10 Years
Communication Port	/
LED Indicator and Button	ON/OFF button No LEDs indicator
Dimension (W*D*H, mm)	560*280*120
Weight [Kg]	28
Operation Humidity	0~95% RH (No condensing)
IP Class	IP52
Parallel Support (2)	Yes, Max, 4Sets
Series Support	Yes, Max. 4 Sets
Certification-Cell	UN38.3; ROHS; UL
Certification-Battery	UN38.3; MSDS
Optional Parts	/

Note:
(1) 25°C ,0.5C/0.5C, 90%DOD and 70% EOL
(2) For parallel connection operation, refer to user manual.
(3) For series connection, it won't support communication.

The datasheet is subject to change without prior notification

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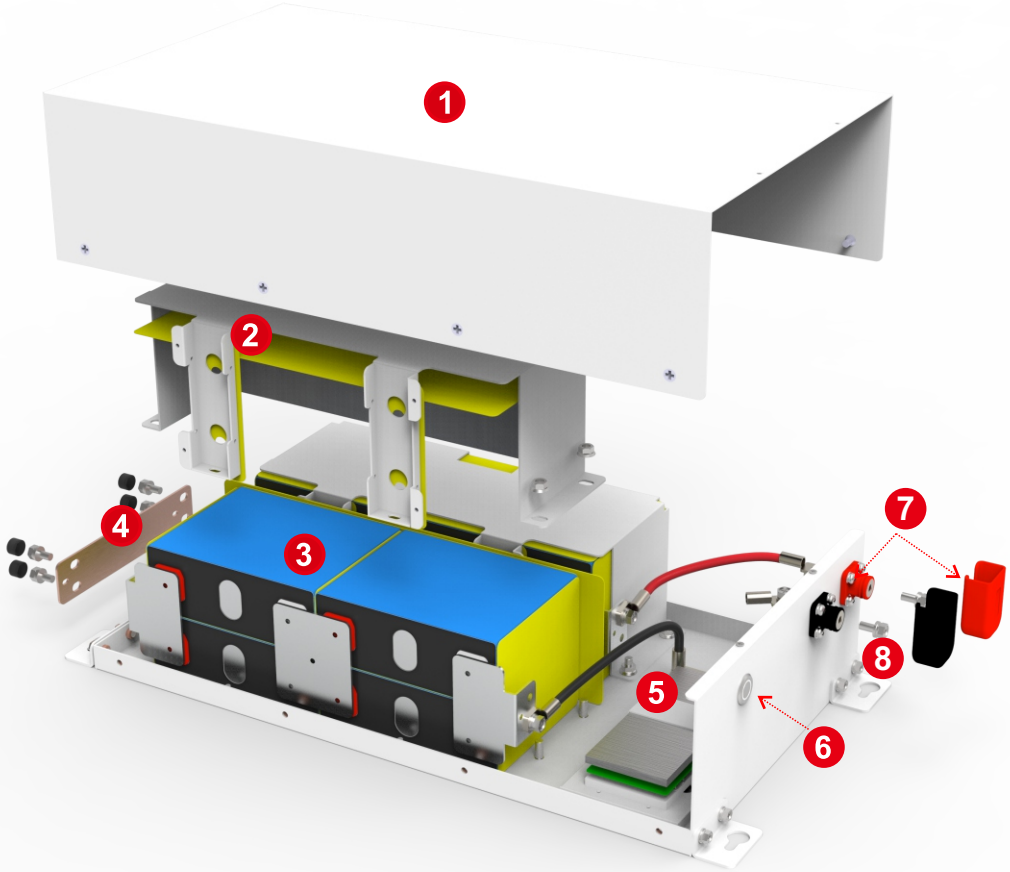
12.8V200Ah -100A

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
ON/OFF Button	
Press Down - ON	BMS is activated and battery output normal
Up- OFF	BMS is off and battery output is no voltage, Shipping mode.

12.8V200Ah

INTERNAL STRUCTURE DIAGRAM



① Battery Cover-SPCC with spraying

② Cells pack fixing material-SPCC with spraying

③ Cells, 3.2V100Ah, 1P4S

④ Cells series copper busbar

⑤ BMS

⑥ ON/OFF self-locking button

⑦ Power terminal-M6 internal thread

⑧ Screws for power terminal- M6*12