

12.8V100Ah

BLOCK TYPE LI-ION BATTERY
RLFP128100A



 SAFETY

- + Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- + Low voltage system, safety for application.
- + Cell certification: IEC62619, UL1642, UL9540A, BIS, ROHS,
- + Battery certification: UN38.3, MSDS
- + Cycle life >3500 cycles.

 DESIGN

- + Flexible and easily installation, support wall mounted.
- + -20~+55°C widely temperature range.
- + Parallel support for more energy.
- + OVP, LVP, OCP, OTP, LTP protection.

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PARAMETERS

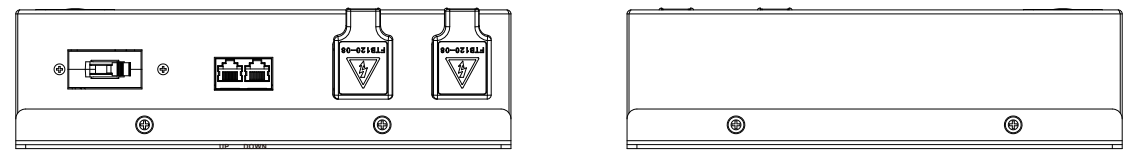
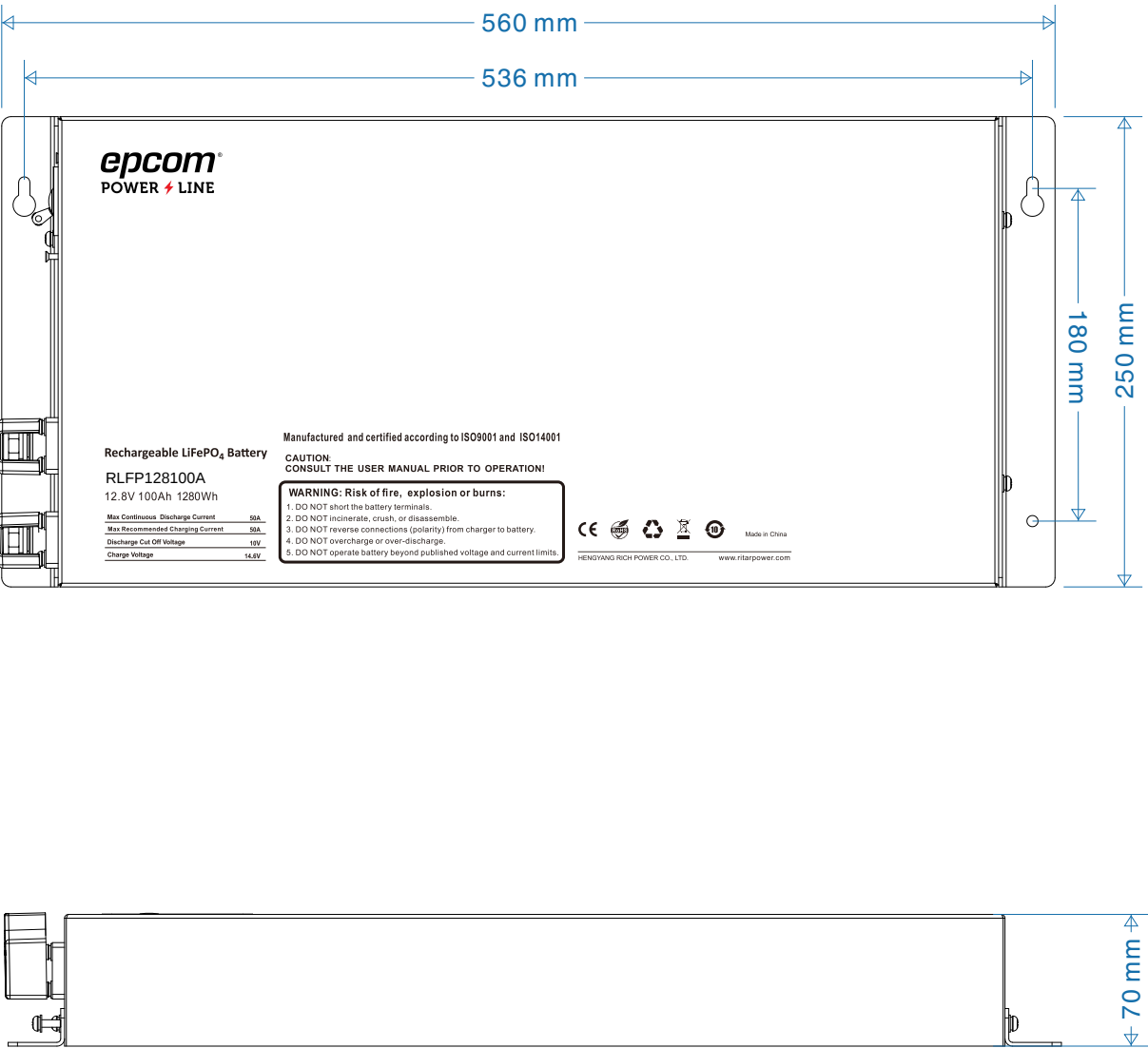
Model	RLFP128100A
Cell and Connection	CB27173204EA 1P4S
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	100
Total Energy [Wh]	1280
Max. Charging Current [A]	80
Recommended Charging Current [A]	50
Charging Voltage [V]	14.2~14.6
Max. Discharging Current [A]	80
End of Dicharge Voltage [V]	11.2
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Protection	Over charge, Over discharge, Over temperature, Short circuit
Cycle Life ⁽¹⁾	>3500 cycles
Designed Calendar Life	10 Years
Communication Port	/
LED Indicator and Button	/
Dimension (W*D*H, mm, ⁽³⁾	560*250*70
Weight [Kg]	14
Operation Humidity	0~95% RH (No condensing)
IP Class	IP30
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	/

(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.

LI-ION BATTERY

DIMENSION RLFP128100A 12.8V100AH

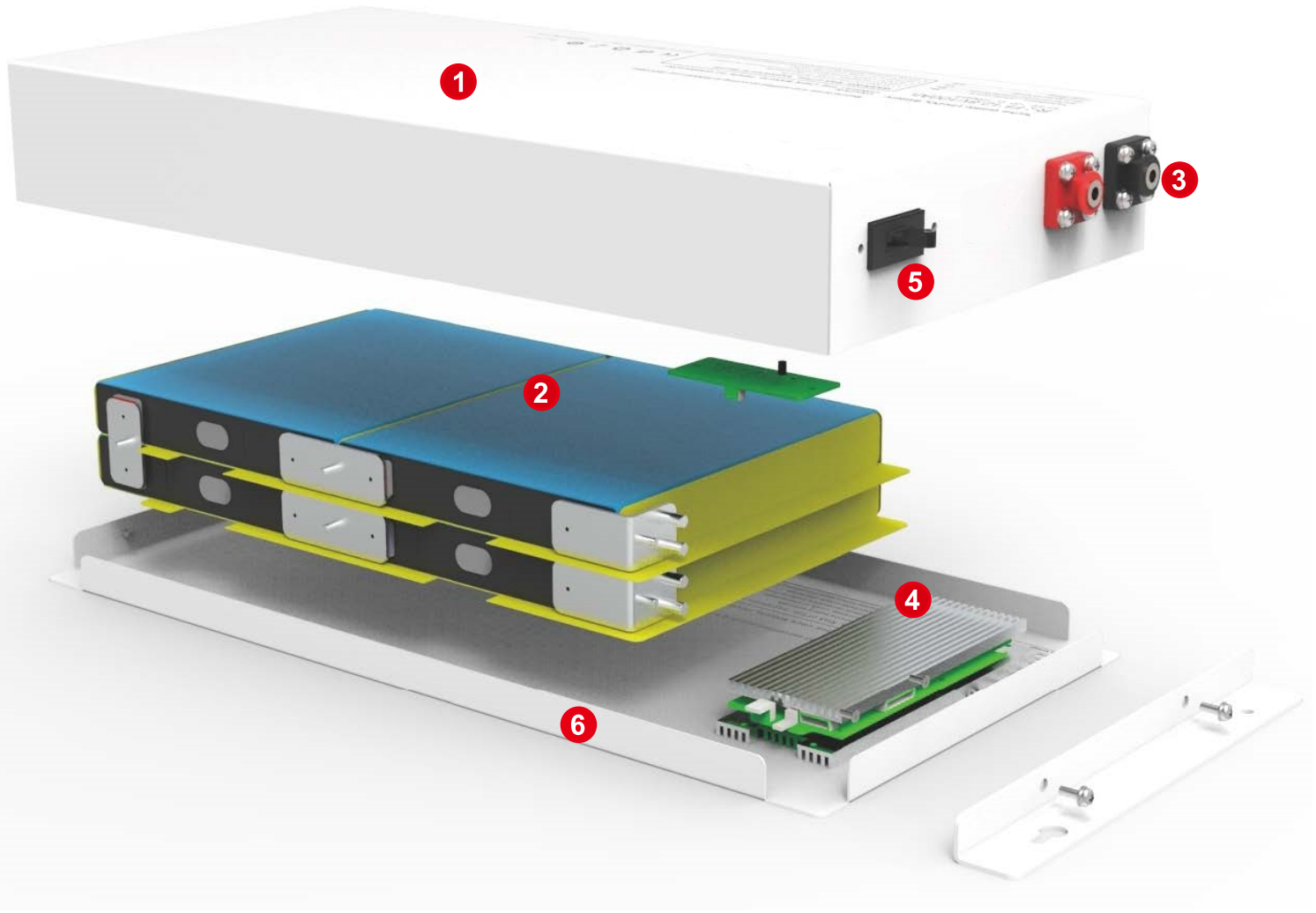
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POWER ⚡ LINE



LI-ION BATTERY

INTERNAL STRUCTURE DIAGRAM

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POWER ⚡ LINE



- ① Top Cover-SPCC with painting
- ② Cell- 3.2V100Ah, 1P4S
- ③ Power Terminal
- ④ BMS
- ⑤ Micro circuit Breaker (MCB)
- ⑥ Bottom case- SPCC with painting