



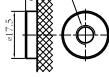
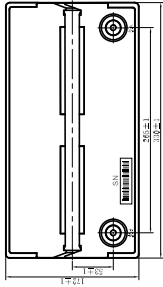
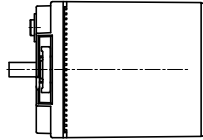
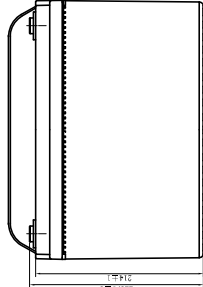
Li-ion Battery

12.8V 100Ah

LFP Li-ion Battery



Dimension:



Unit: mm

SAFETY

- + Prismatic LiFePO4 cells (50Ah). High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3000 times @80%DOD

DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.



Li-ion Battery

12.8V100Ah

Specification

Model	R-LFP12.8V100Ah	
Part Number	8010128010001	
Nominal Voltage [V]	12.8	
Nominal Capacity [Ah]	100	
Total Energy [Wh]	1280	
Max. Charging Current [A]	100	
Recommended Charging Current [A]	50	
Charging Voltage [V]	14.6	
Max. Discharging Current [A]	100	
End of Discharge Voltage [V]	11.2	
Pulse Discharge Current	270A @ 10s	
Dimension [W*D*H, mm]	330*172*214	
Weight [Kg]	13.4	
Operation Humidity	0~95% RH (No condensing)	
Operating Temperature Range	Charge: 0 ~ +50 °C; Discharge: -20 ~ +55 °C	
BMS Protection	Over charge Over discharge, Over temperature, Short circuit	
Parallel Support	Yes, Max 2 Sets	
Series Support	Yes, Max 4 Sets	
Cycle Life	>3000	
Designed Calendar Life	>10 Years	
Certification	UN38.3, CE, MSDS	

Note:
1. 80% DOD and to 80% of initial capacity.

The datasheet is subject to change without prior notification

For more information, contact with : sales@ritarpower.com

Hengyang Ritap Power Co., Ltd.
Hengyang Rich Power Co., Ltd.

No.1 Huagong Road, Songmu Industrial Park, Shigu District, Hengyang,
Hunan, 421001, China