

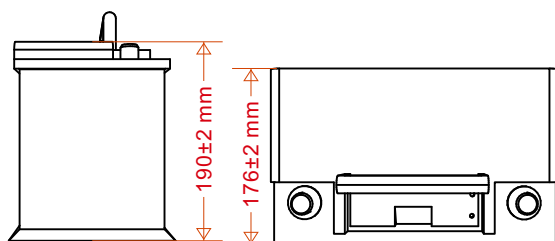
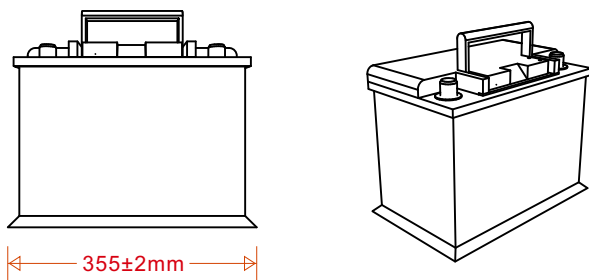
# 12.8V100Ah



## LFP LI-ION BATTERY (LONG LIFE)



### Dimension:



Unit: mm

### SAFETY

- + Prismatic LFePO<sub>4</sub> cells, Longer cycle life and much more safety.
- + UL1973, IEC62619, JET certification for cell.
- + 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.
- + OVP, LVP, OTP, Short circuit protection.

For more information, contact with: [sales@ritarpower.com](mailto:sales@ritarpower.com)

# 12.8V100Ah

## Specification

Part Number	8010128010003
Model	R-LFP12V100AH
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	100
Total Energy [Wh]	1280
Max. Charging Current [A]	100
Recommended Charging Current [A]	100
Charging Voltage [V]	14.6
Max. Discharging Current [A]	80
End of Discharge Voltage [V]	11.2
Pulse Discharge Current	300A @ 10s
Dimension (W*D*H, mm)	355*176*190
Weight [Kg]	15
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50 °C ; Discharge: -20 ~ +55 °C
Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max, 2 Sets
Series Support	Yes, Max. 4 Sets
Cycle Life <sup>1</sup>	>3000 cycles
Designed Calendar Life	>10 Years

### Note:

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