

12.8V40Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO4 cells (40Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3000 times @80%DOD

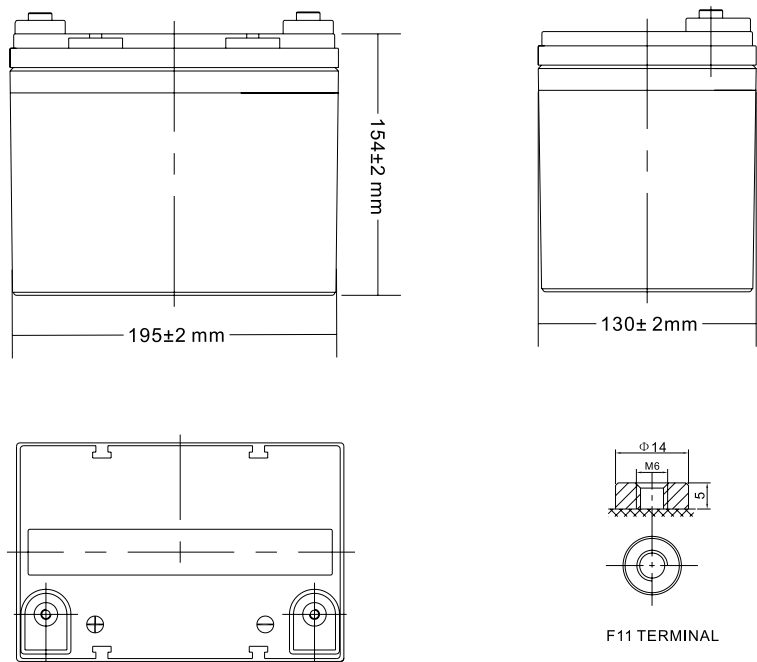
DESIGN

- + 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.

Dimension:



Unit: mm

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Specification

Model	R-LFP12.8V40Ah
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	40
Total Energy [Wh]	512
Max. Charging Current [A]	40
Recommended Charging Current [A]	20
Charging Voltage [V]	14.6
Max. Discharging Current [A]	40
End of Discharge Voltage [V]	11.2
Pulse Discharge Current	50A @ 10s
Dimension [W*D*H, mm]	195*130*155
Weight [Kg]	4.87
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.