

# 12.8V9Ah

## LFP LI-ION BATTERY



### SAFETY

- + Cylindrical LiFePO4 cells (21700-3Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 2000 times @80%DOD

### DESIGN

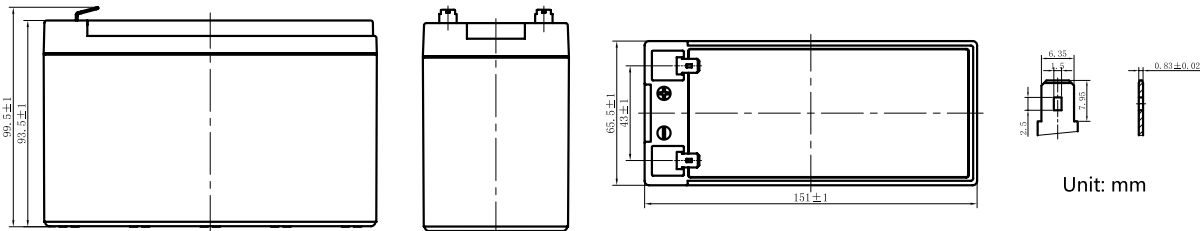
- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

### 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

### Specification

Part Number	R-LFP12.8V9Ah
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	9
Total Energy [Wh]	115.2
Max. Charging Current [A]	9
Recommended Charging Current [A]	4.5
Charging Voltage [V]	14.6
Max. Discharging Current [A]	9
End of Discharge Voltage [V]	11.2
Pulse Discharge Current	12A @ 10s
Dimension [W*D*H, mm]	151*65*93.5
Weight [Kg]	1.10
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	>2000
Designed Calendar Life	>10 Years
Certification	UN38.3, CE, MSDS

Note:

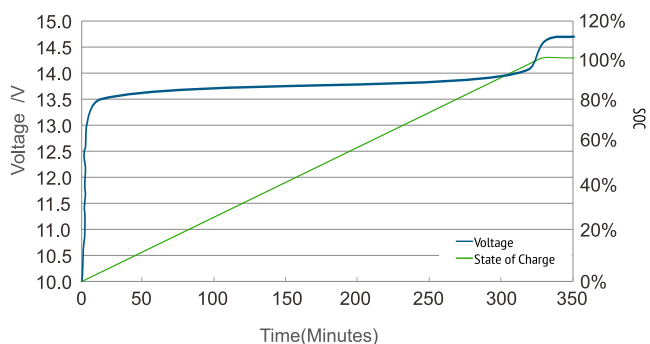
- 80% DOD and to 80% of initial capacity.



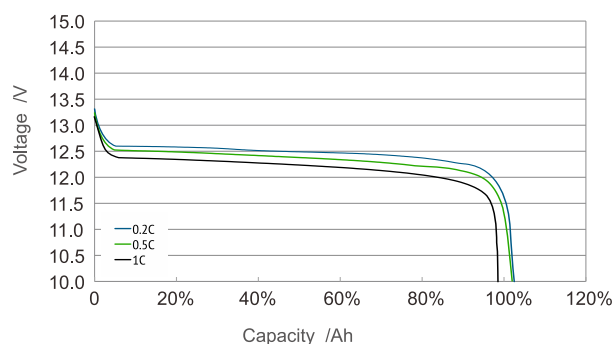
# 12.8V9Ah

(R-LFP12.8V9Ah)

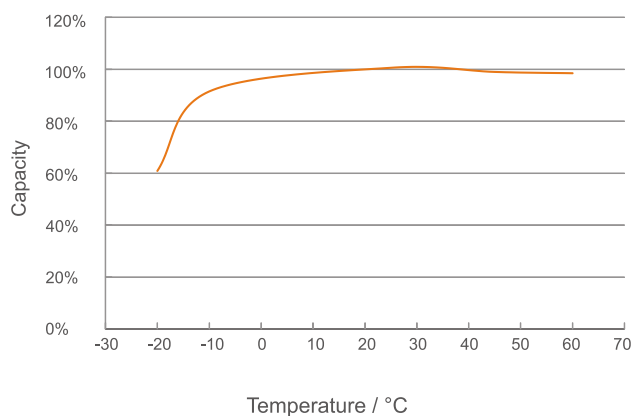
**CHARGE VOLTAGE and STATE OF CHARGE(SOC) CHARGE**  
0.2C@25°C(77°F)



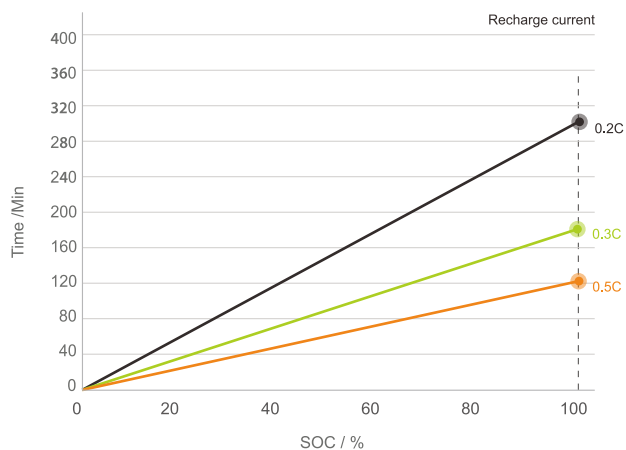
**DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS RATES 25-C(77°F)**



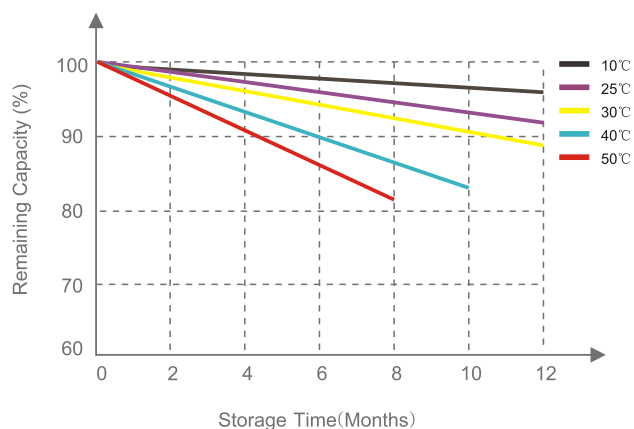
**Capacity with Different Temperature**



**Typical Recharge Time**



**Different Temperature Self Discharge Curve**



**Typical Cycle Life**

