








Product Features

-  **Built-in Battery Management System (BMS) with interface RS485/Modbus, RS232, CAN**
-  **Optimum adaptation to variety applications with parallel expansion support**
-  **Longer life cycle up to 5000 cycles @80% DOD**
-  **Fully replaceable with Lead-acid/Ni-Cd batteries**
-  **Maintenance free with standard 19" design for easy installation**

Overview

PWR247 Technology provides safe LiFePO4 battery solutions for UPS and Energy storage system.

This battery system serves for UPS and Energy storage system with perfect compatibility and long life cycle.

Features

- RS485 Communication output for monitoring
- Internal cell balancing ,Passive equalization, the maximum equalization current up to 100mA
- High-precision cell voltage and temperature acquisition: $\pm 3\text{mv}$, $\pm 1^\circ\text{C}$
- Inbuilt Battery monitoring through bluetooth

* Special terms and conditions applicable.

Product Application



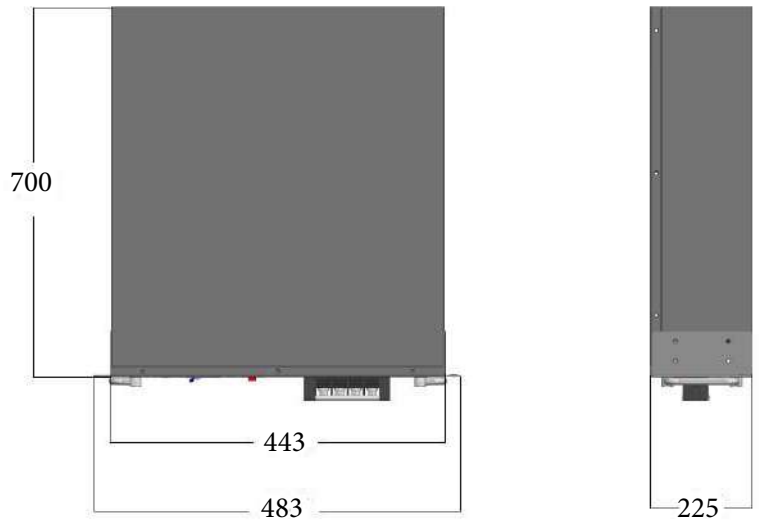
Characteristic

	Specification
Model	LFP-48V314Ah
Rated Capacity	314 Ah
Nominal Voltage	48V
Discharge Ending Voltage	42V
Recommended Charging Voltage	54V
Max. Charging Current	157A
Recommended Charging Current	100A
Max. Continue Discharging Current	157A
Weight	115Kg
SOC light	6*LED for monitoring
Parallel Connection	Parallel connection up to 16P
Dimensions (W*D*H) mm (inches)	443*700*225mm
Cell	LFP 3.2 V 314Ah(Prismatic)
Design life	More than 15 years
Cycle Life	More than 5000 cycles at 80% DOD*
IP Class	IP54
Operating Temperature	Charging: 0 to +60°C Dscharging: -20 to +60°C Storage: -20 to +60°C
Operating Humidity	5%~95%
Communication Protocol	RS485/Modbus, RS232, CAN
Bluetooth Monitoring	Available
LCD Display	Optional

Module Preview

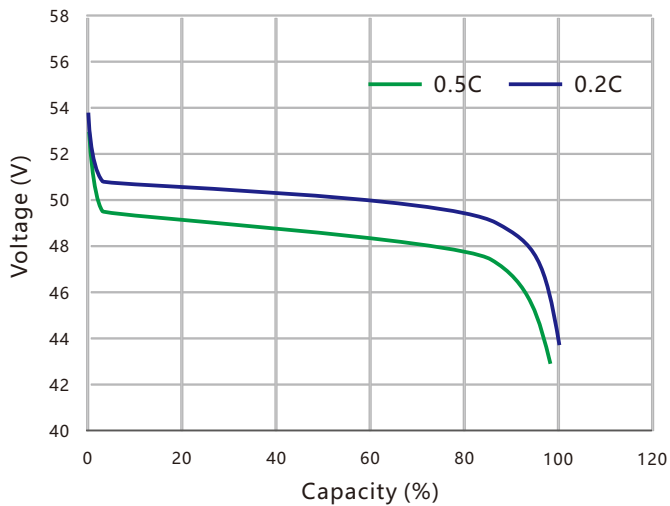


LFP-48V314AH

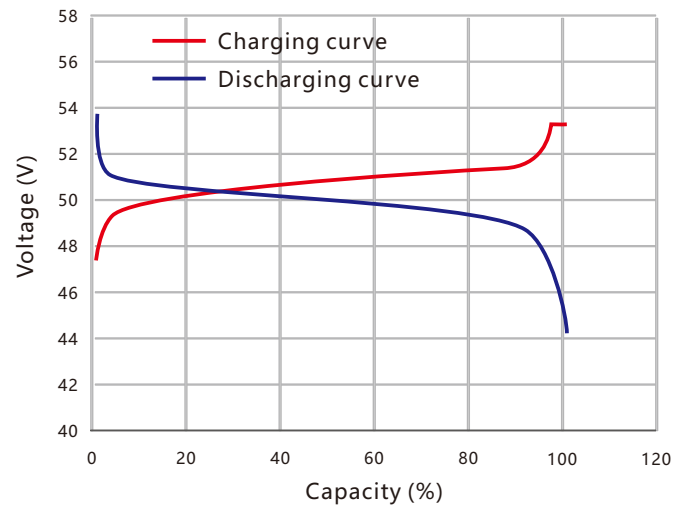


Performance Curve

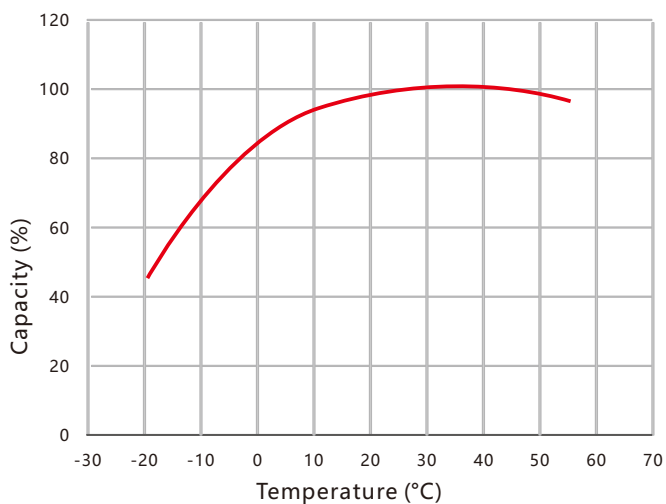
Rating Performance @25°C



Discharge and Charge @25°C



Capacity under different Temp.



Cycle Life under different Temp.

