








## Product Features

-  **Built-in Battery Management System (BMS) with interface RS485 & RS232**
-  **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 Theft Prevention with Gyroscope based anti-theft function

## Characteristic

	Specification
Model	LFP1C48100
Rated Capacity	100 Ah
Nominal Voltage	48V
Discharge Ending Voltage	42V
Recommended Charging Voltage	54V
Max. Charging Current	100A
Recommended Charging Current	50A
Max. Continue Discharging Current	100 A
Weight	Approx. 44 Kg
SOC light	6*LED for monitoring
Parallel Connection	Parallel connection up to 16P
Dimensions (W*D*H) mm (inches)	443*450*133mm
Cell	LFP 3. 2 V 100Ah( 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	RS232/Modbus/RS485
Anti-theft system	YES
LCD Display	Optional

## Product Application



Communication



Data Center



Industrial Application



Wind Power



Solar Power



Electric Power

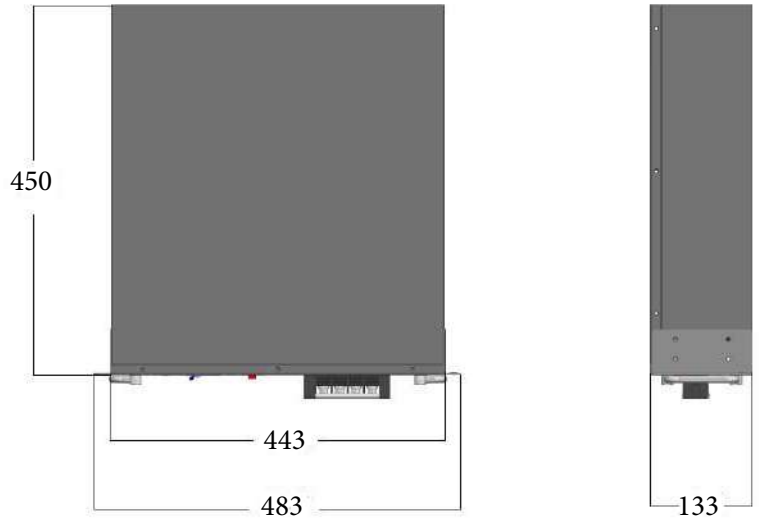
## PWR247 4U Techsol Private Limited

Corporate Office: GF, G-215, Sector-63, Distt. Gautam Buddh Nagar, Noida - 201307 UP Registered Office: 812A, Shakuntala Building, 59, Nehru Place New Delhi - 110019  
Mobile: +91 9311995859 | Email: info@247pwr.com | Website: www.247pwr.com

## Module Preview

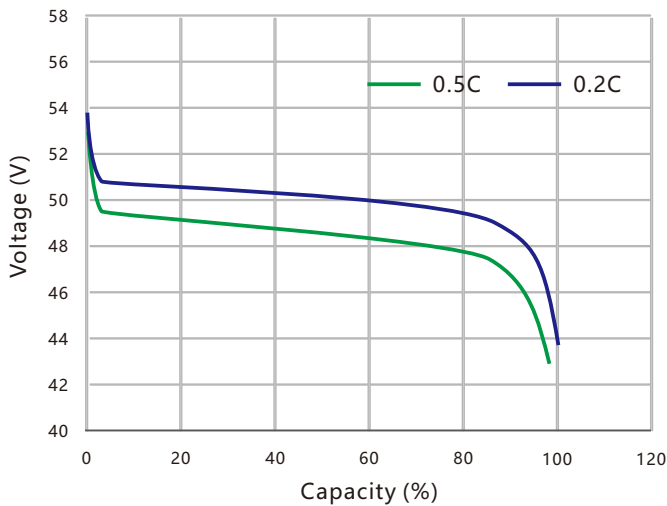


**LFP-48V100AH**

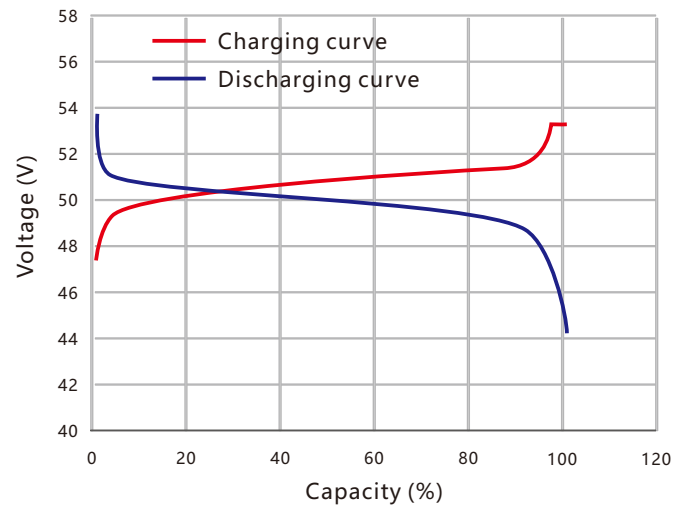


## Performance Curve

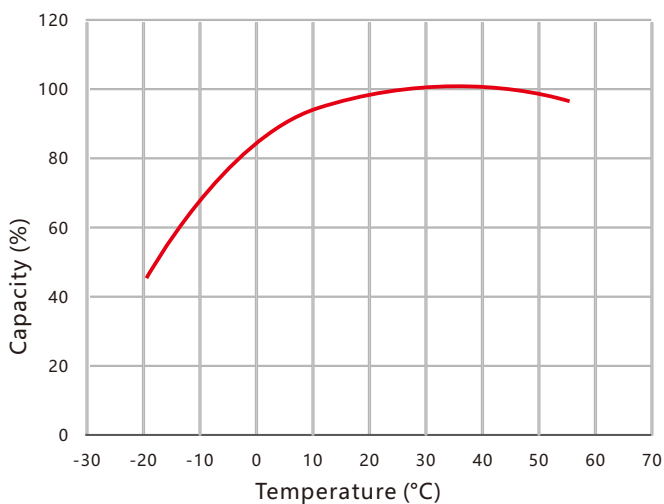
### Rating Performance @25°C



### Discharge and Charge @25°C



### Capacity under different Temp.



### Cycle Life under different Temp.

