

## Overview

PWR247 Technology provides safe LiFePO<sub>4</sub> battery solutions for UPS and Energy storage system. This battery system serves for UPS and Energy storage system with perfect compatibility and safe long cycle life.

## Features

- Internal cell balancing, Passive equalization, the maximum equalization current up to 200mA;
- High-precision cell voltage and temperature acquisition:  $\pm 3\text{mv}$ ,  $\pm 1$  ;
- Automatic circulation control and automatic, easy to realize parallel machine use;
- Fire extinguision device in the module, 7\*24H all-weather fire;
- IBB integrated bus design in the module realizes the cell string without screws and cables;
- Full state management, 100% real-time cell management and functional device control;
- High-precision leakage detection to prevent insulation failure and ensure system reliability.



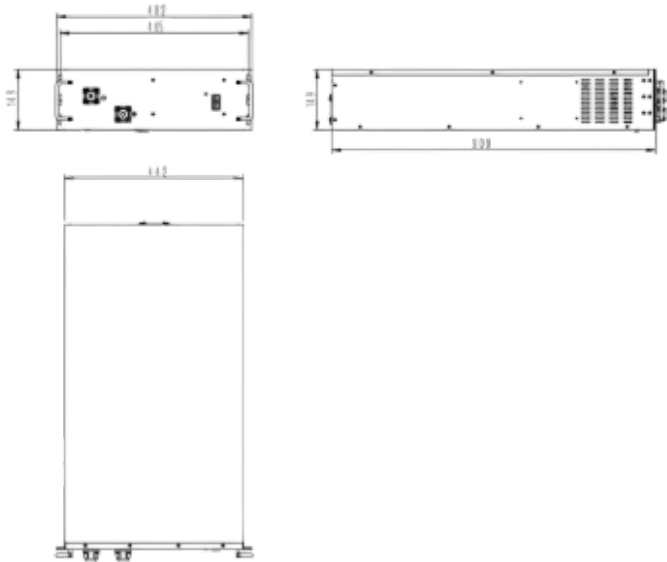
## Performance Data

Time(h)	10	15	30	45	60
Constant Power(kw)	300	240	120.96	81.12	61.08
Constant Current(A)	510	400	200	133.3	<b>100</b>

## Rack Specification

Voltage Range(V)	537.6~662.4
Cell	3.2V50Ah
Series & Parallels	192S2P
Rated Voltage(V)	614.4
Rated Capacity(Ah)	100
Rated Energy(KWh)	61.44
Recommended Charging Current(A)	20~50
Discharge cut-off Voltage(V)	537.6
Charge Voltage(V)	652.8~662.4
Cycle Life (@25 , 0.5C/2C, 100% DOD)	> 2500
Short-circuit Current(< 10ms)	Approx.9000
System Dimension(W* D* H)	(600 * 1000 * 2300) mm
Total Weight(Kg)	Approx. 1040
Internal Resistance Fully Charged @ 25	$\leq 70 \text{ m}\Omega$
Thermal Management	Air Cooling
Charge Temperature	0 ~50
Discharge Temperature	-20 ~65
Operating Humidity	< 95%R.H.
Communication	CAN/RS485
System Parallels	$\leq 15(\text{GBMS})$
	$> 15(\text{GBMS}+\text{IPC})$
Dry Contact	3 outputs, 1input
Design life	15 years

## Module size



## Rack



Rack TP240(S)  
TP240 S-with LCD TP240 -without LCD

## Characteristics Curve

