

## Overview

PWR247 Technology provides safe LiFePO<sub>4</sub> battery solutions for UPS and Energy Storage Systems. These advanced battery systems ensure seamless compatibility, enhanced safety, and a long cycle life for reliable UPS and energy storage applications.

## Features

- Internal cell balancing, Passive equalization, the maximum equalization current up to 200mA;
- High-precision cell voltage and temperature acquisition:  $\pm 3\text{mv}$ ,  $\pm 1\text{C}$ ;
- Automatic circulation control and automatic, easy to realize parallel machine use;
- Fire extinguishing 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.

Module Preview



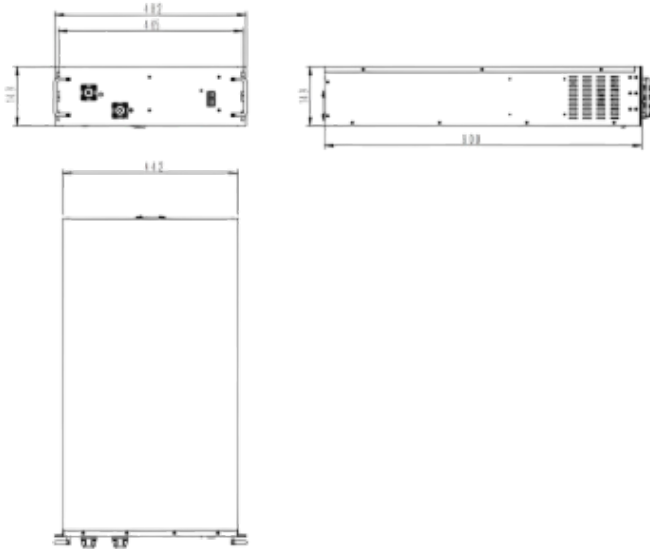
Module 51.2V100Ah

## Performance Data

Time(h)	10	15	30	45	60
Constant Power(kw)	200	160	80.64	54.08	40.72
Constant Current(A)	510	400	200	133.3	<b>100</b>

Voltage Range (V):	358.4 ~ 441.6
Cell:	3.2V50Ah
Series & Parallels:	128S2P
Rated Voltage (V):	409.6
Rated Capacity (Ah):	100
Rated Energy (KWh):	40.96
Recommended Charging Current (A):	20 ~ 50
Discharge cut-off Voltage (V):	358.4
Charge Voltage (V):	435.2 ~ 441.6
Cycle Life (@25 , 0.5C/2C, 100% DOD):	> 2500
Short-circuit Current (< 10ms):	7800
System Dimension (W * D * H):	(600* 1000* 2000) mm
Total Weight (Kg):	Approx. 760
Internal Resistance Fully Charged @ 25:	$\leq 50 \text{ m}\Omega$
Thermal Management:	Air Cooling
Charge Temperature:	0 ~ 50 °C
Discharge Temperature:	-20 ~ 65°C
Operating Humidity:	<95% R.H.
Communication:	CAN/RS485/TCP
System Parallels:	$\leq 15$ (GBMS), $> 15$ (GBMS + IPC)
Dry Contact:	3 outputs, 1 input
Design Life:	15 years

## Module size



## Rack



Rack TP160(S)  
TP160 S-with LCD TP160 S-without LCD

## Characteristics Curve

