

Overview

PWR247 Technology delivers safe and reliable LiFePO₄ battery solutions for UPS and Energy Storage Systems. Our batteries ensure seamless compatibility, exceptional safety, and a long cycle life for uninterrupted performance.

Features

- Internal cell balancing, Passive equalization, the maximum equalization current up to 200mA;
- High-precision cell voltage and temperature acquisition: ±3mv, ±1C;
- 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.

Module Preview



Module 51.2V50Ah

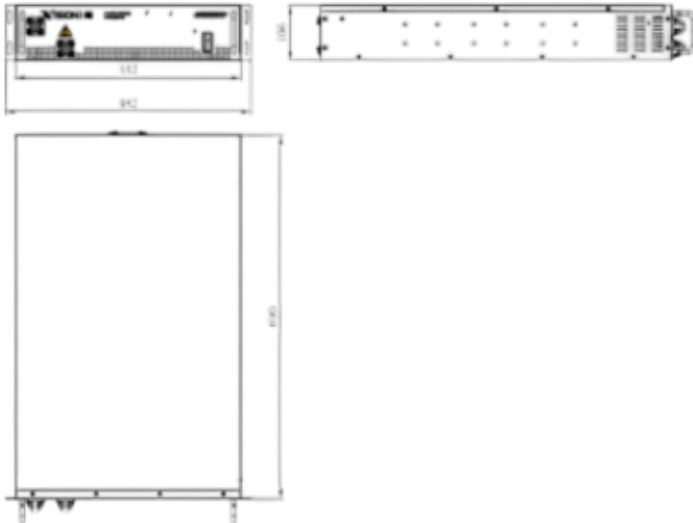
Performance Data

Time(h)	10	15	30	45	60
Constant Power(kw)	91.2	80	40.32	27.04	20.36
Constant Current(A)	245	200	100	66.65	50

Rack Specification

Voltage Range(V)	358.4 ~ 441.6
Cell	3.2V50Ah
Series & Parallels	128S1P
Rated Voltage(V)	409.6
Rated Capacity(Ah)	50
Rated Energy(KWh)	20.48
Recommended Charging Current(A)	10 ~ 25
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)	Approx. 5000
System Dimension(W* D* H)	(600 * 1000 * 2000) mm
Total Weight(Kg)	Approx. 480
Internal Resistance Fully Charged @ 25	≤ 85 mΩ
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	≤15 (GBMS), >15 (GBMS + IPC)
Dry Contact	3 outputs, 1 input
Design Life	15 years

Module size



Rack



Rack TP80(S)
TP80(S)-with LCD TP80-without LCD

Characteristics Curve

