

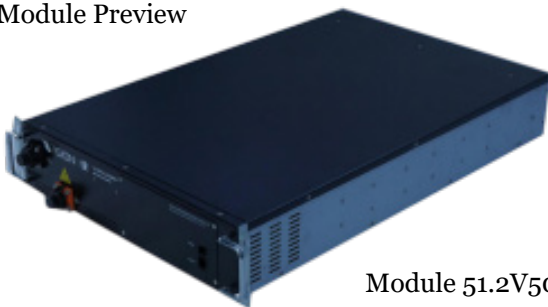
Overview

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 safe long cycle life.

Features

- Internal cell balancing ,Passive equalization , the maximum equalization current up to 200mA;
- High-precision cell voltage and temperature acquisition: $\pm 3\text{mv}$, $\pm 1\text{C}$;
- 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

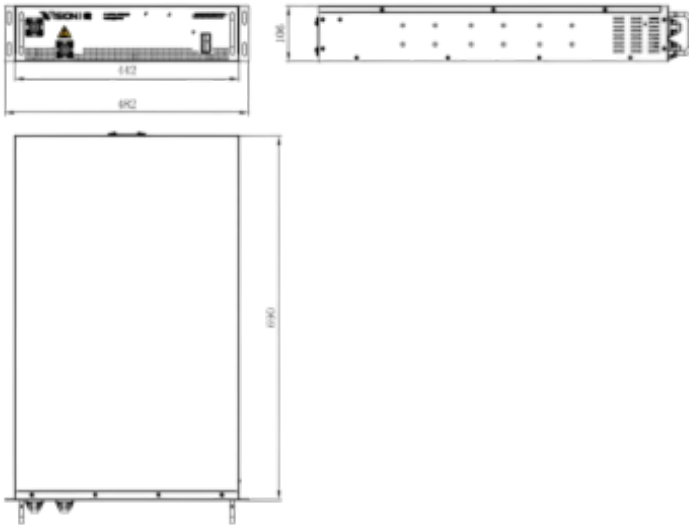
Performance Data

Time(h)	10	15	30	45	60
Constant Power(kw)	114	100	50.4	33.80	25.45
Constant Current(A)	245	200	100	66.65	50

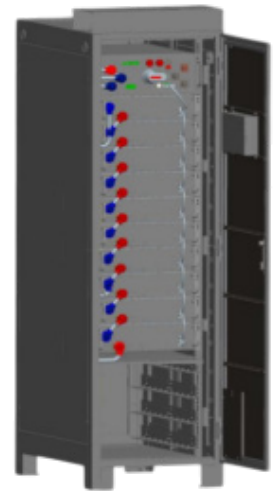
Rack Specification

Voltage Range(V)	448~552
Cell	3.2V50Ah
Series & Parallels	160S1P
Rated Voltage(V)	512
Rated Capacity(Ah)	50
Rated Energy(KWh)	25.6
Maximum Charge Current (A)	10~25
Discharge cut-off Voltage(V)	448
Charge Voltage(V)	544 ~552
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. 550
Internal Resistance Fully Charged @ 25	$\leq 100\text{mOhms}$
Thermal Management	Air Cooling
Charge Temperature	0 ~50
Discharge Temperature	-20 ~65
Operating Humidity	<95%R.H.
Communication	CAN/RS485/TCP
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 o -without LCD

Characteristics Curve

