

Overview

PWR247 Technology provides safe LiFePO₄ battery solutions for UPS and Energy Storage Systems. Our advanced battery systems are designed for seamless compatibility, ensuring safety and a long cycle life for UPS and energy storage applications.

Features

- Can/RS485 Communication output for monitoring
- Achieve up 32 BMU in cascade communication
- Internal cell balancing, Passive equalization, the maximum equalization current up to 300mA
- High-precision cell voltage and temperature acquisition: ±3mv, ±1
- Fan control circuit and interface, realize heat dissipation inside the module

Module Preview



Module 51.2V100A

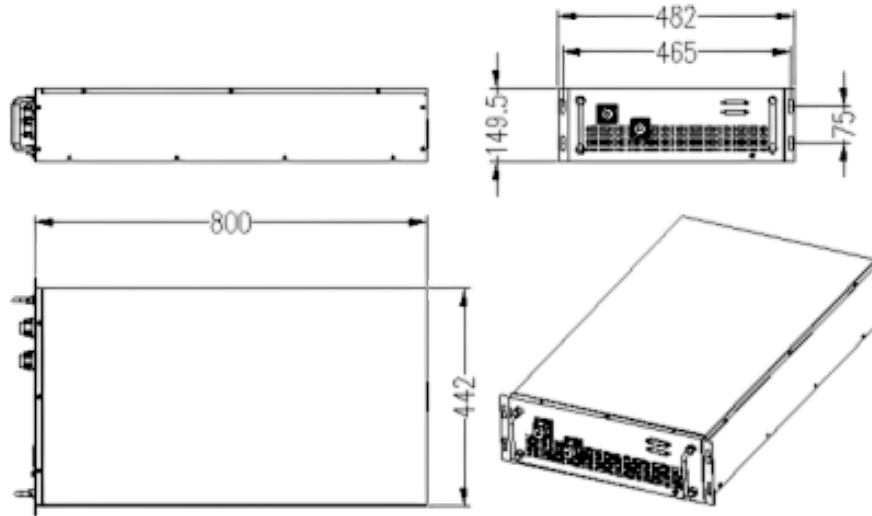
Performance Data

Time(h)	10	15	30	45	60
Constant Power(kw)	228	186	98.3	65.6	50.2
Constant Current(A)	490	400	200	133.3	100

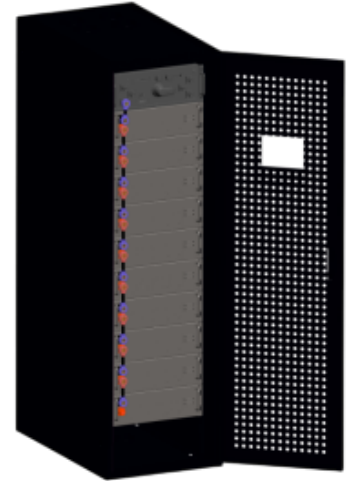
Rack Specification

Voltage Range(V)	448~552	
Cell	3.2V50Ah	
Series & Parallels	160S2P	
Rated Voltage(V)	512	
Rated Capacity(Ah)	100	
Rated Energy(KWh)	51.2	
Maximum Charge Current (A)	100	
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.9000A	
System Dimension(W* D* H)	(600 * 1000 * 2000) mm	
Total Weight(Kg)	Approx.900	
Internal Resistance Fully Charged @ 25	60mOhms ≤	
Thermal Management	Air Cooling	
Operating Temperature	Charge	0 ~ 50
Discharge Temperature	Discharge	-20 ~ 65
Operating Humidity	60 ± 25%R.H.	
Communication	CAN/RS485	
Dry Contact	Y	
System Parallels	≤15(GBMS)	
	>15(GBMS+IPC)	
Dry Contact	Optional	

Module size



Rack



Rack TP200(S)
TP200S – with LCD TP200 – without LCD

Characteristics Curve

