

LiFePO4 Battery

48V 51.2V Rack Mount Series



Server Rack Mode Rechargeable Li-ion Battery



Parameter

Rack-mounted Energy Storage (Home/Industrial)

Model	XPA-24100	XPA-51100	XPA-51200	XPA-51280
Standard Voltage	25.6VDC	51.2VDC		
Voltage	21.6-28.8VDC	43.2-57.6VDC		
Nominal Capacity	100Ah	100Ah	200Ah	280Ah
Rated Capacity	2.56kWh	5.12kWh	10.24kWh	14.33kWh
Communication Protocol	CAN / RS485 / WIFI / 4G / Blue Tooth			
Efficiency (at 0.5C)	98%			
Cell Self-Discharge	<5 % / Month			
Maximum Allowed Modules in Parallel	15PCS (38.4kwh)	15PCS (76.8kwh)	15 PCS(153.6kWh)	15 PCS(215kWh)
Depth of Discharge	Up to 100%			
Useful Life	8-10 Years			
Cycle Life	6000 (@ 80% DoD)			
Protection	Over temperature, over-current, short circuit, over-charging, over-discharging, Low voltage			
Charge Specifications				
Recommended Charge Current	50A	50A	50A	100A
Maximum Charge Current	100A	100A	100A	200A
Recommended Charge Voltage	28.8V	57.6V		
Recommended Discharge Current	50A	50A	50A	100A
Maximum Discharge Current	100A	100A	100A	200A
Battery Recovery Voltage	21.6V	43.2V		
Mechanical Specifications				
Dimensions (mm)	484*330*165	484*425*176.5	520*773*164.5	484*750*240
Terminal Type	M6			M8
Case Material	Industrial Grade Iron			
Enclosure Protection	IP20			
Installation	Cabinet			
Cell Type Chemistry	LiFePO4			
Temperature Specifications				
Discharge Temperature	-20~60℃	-20~60℃	-20~60℃	-20~60℃
Charge Temperature	0~55℃	0~55℃	0~55℃	0~55℃
Storage Temperature	-20~55℃	-20~55℃	-20~55℃	-20~55℃
Certification Standard				
Safe Certifications	CE,FCC, CCC			
Shipping Classification	UN 38.3, UN 3480, Class 9			

Introduction

This rack mode LifePO4 lithium battery belongs to one of the series of household energy storage products that are independently designed and developed. It has long cycle life, high safety standard BMS software protection and strong housing, exquisite looks, and easy installation, etc. It is widely used in energy storage system with off- grid inverters, on-off grid inverters and hybrid inverters.

Feature

- ✓ >6000 times deep cycle charge and discharge
- ✓ BMS intelligent system, Multiple built-in protection
- ✓ Support connected in parallel mode for expansion
- ✓ Higher energy density

Application



RV



Marine



Outdoor Activities



Solar



Power Backup



Trailer



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