



10kW High-Voltage Stacked Battery

Long cycle life, 6000 times cycle, 5 years warranty

It is equipped with intelligent BMS for each battery pack to manage modules effectively.



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Introduction

This Stacked mode battery is a new energy storage product developed and produced by The Company, which can provide reliable power supply for all kinds of equipment or systems.

Parameter

High Voltage Stacked Energy Storage Battery (With Inverter)

Model	HPIXP-P10.24	HPIXP-P15.36	HPIXP-P20.48
Battery parameter			
Single module capacity	5.12kWh		
Standard capacity	50Ah		
Standard voltage	102.4V		
Useful Life	8-10 Years		
Cycle Life	6000 (@ 80% DoD)		
Discharge rate max	0.8C/40A		
Charging rate max	0.5C/25A		
Module number	2pcs	3pcs	4pcs
Rated capacity	10.24kwh	15.36kwh	20.48kwh
Rated voltage	204.8V	307.2V	409.6V
Working voltage	160~233.6V	240~350.4V	320~467.2V
Dimensions (mm)	530*190*1186	530*190*1569	530*190*1952
Weight	106kg	150kg	195kg
Mechanical Specifications			
Case Material	Industrial Grade Iron		
Enclosure Protection	IP54		
Installation	Stacked		
Communication Protocol	CAN/RS485		
Working Temperature	0~55°C		
Storage Temperature	-20~55°C		
Humidity	≤80%		
Certification Standard			
Safe Certifications	CE,FCC, CCC		
Shipping Classification	UN 38.3, UN 3480, Class 9		

Feature

- ✔ Built-in soft-start function to reduce current impact.
- ✔ When multiple modules are series connected, module addresses are set automatically.
- ✔ Support for upgrading the battery module from the upper controller through CAN communication.
- ✔ The module is non-toxic, non-polluting and environmentally friendly.
- ✔ Cathode material is made from LiFePO₄ with safety performance and long cycle life.
- ✔ Battery management system (BMS) has protection functions including over-discharge, over-charge, over-current and high/low temperature.
- ✔ The system can automatically manage charge and discharge state and balance voltage of each cell.
- ✔ Flexible configuration, multiple battery modules can be connected to expand capacity and power.
- ✔ Adopted self-cooling mode rapidly reduced system entire noise.
- ✔ With a built-in 10KW on off grid inverter make you no need to worry about the communication protocol Between the battery and the inverter.
- ✔ The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

Application



Communication base station energy storage



Home energy storage



Backup power



Solar panels



Industrial energy storage



Mountain communication base station



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