



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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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		
Inverter	10KW on off grid inverter		
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.



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