

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.



High-Voltage Stacked Battery



Parameter

High Voltage Stacked Energy Storage Battery

Model	XPHVD-512100	XPHVD-102450
Battery parameter		
Cell type	LFP	
Rated voltage	51.2V	102.4V
Rated capacity	100Ah	50Ah
Standard capacity	5.12kWh	
Charging and discharge rate max	1C/100A	1C/50A
Dimensions	550*500*171 mm	
Weight	40kg	
Useful Life	8-10 Years	
Cycle Life	6000 (@ 80% DoD)	
Module number max	8pcs	6pcs
Rated voltage	409.6V	614V
Working voltage	345.6~460.8V	518.4~691.2V
Rated capacity	40.93kwh	30.72kwh
Dimensions	550*500*1629mm	550*500*1287mm
Mechanical Specifications		
Case Material	Industrial Grade Iron	
Enclosure Protection	IP20	
Installation	Stacked	
Communication Protocol	CAN/RS485 (WIFI, Bluetooth optional)	
Working Temperature	0~55℃	
Storage Temperature	-20~55℃	
Humidity	≤80%	
Certification Standard		
Safe Certifications	CE,FCC, CCC	
Shipping Classification	UN 38.3, UN 3480, Class 9	

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.

Stacked home energy storage adopts integrated home appliance design, which is exquisite, beautiful and easy to install.

Modular stacking design, flexible matching of energy storage units, expansion on demand, single-layer module capacity, built-in integrated inverter, convenient, lightweight, highly mobile, saving household electricity costs.

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.
- ✔ 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



Suzhou Preta Intelligence and Technology Co.,Ltd

No..55 Shangxiang Road, Huaqiao Corporation Head Quarter Centre,

Kunshan City, Suzhou City, China

Tel: 0512-36684019

Mail: info@pretapower.com

Web: <https://pretapower.com/>

