

# HIGH VOLTAGE ENERGY STORAGE SYSTEM BATTERY

Home | Commercial

20KW/50kWh | 30KW/60kWh

## Integrated, unlimited possibilities

Flexible expansion | Safe and reliable | Cost-effective |  
Smart and friendly | Minimalist operation and maintenance



## 25KW/50kWh | 30KW/60kWh

# High-Voltage Energy Storage Battery



# Parameter

## Indoor and Outdoor Energy Storage Cabinets (Home/Commercial)

Model	XPH-20kw50kWh	XPH-30kw60kWh
<b>Lithium battery</b>		
Battery cell type	LFP	
Single module capacity	10.24kWh	
Module number	5pcs	6pcs
Standard voltage	512V	614.4V
Working voltage	432v-576V	518.4-691.2V
Suggested DOD	80%	
Humidity	20%-60%	
Installation	Cabinet	
Communication	CAN/RS485/RS232(WIFI,Blue-tooth is optional and need extra cost)	
Product size/unit	773*560*165mm	
N.W./unit	80kg	
<b>Solar Input</b>		
Maximum PV Open-circuit Voltage	1000VDC	
PV Working Voltage Range	180VDC	
MPPT Voltage Range	150-850VDC	
Maximum PV Input Current	26+26A	36+36+36A
Maximum PV Input Power	39+39A	55+55+55A3
Maximum PV Charging Current	26000W	39000W
<b>AC Output</b>		
Rated output current	30A	45A
Rated output voltage	220/380/VAC, 230/400/VAC	
frequency	50Hz/ 60Hz	
Rated output power	20000W	30000W
Mains Type	Three phase	
Maximum bypass overload current	80A	200A
<b>Mechanical Specifications</b>		
Dimensions	1170*1031*1636mm	
Enclosure Protection	IP54	
Working Temperature	0~55℃	
Storage Temperature	-20~55℃	
Cooling Method	Air cooling/Natural cooling	
<b>Certification Standard</b>		
Safe Certifications	CE,FCC, CCC	
Shipping Classification	UN 38.3, UN 3480, Class 9	

# Introduction

This product is one of the energy storage products developed and produced by our company. It is an electrical energy storage solution that combines photovoltaic inverters and lithium iron phosphate energy storage battery packs. It integrates electrical units such as inverters, lithium battery packs, and monitoring into a modular cabinet system. Cooperate with photovoltaic power generation to form an energy-saving and green photovoltaic storage system.

# Feature

- ✔ The module is non-toxic, non-polluting and environmentally friendly.
- ✔ Cathode material is made from LiFePO4 with safety performance and long cycle life.
- ✔ Built-in 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.
- ✔ 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.
- ✔ Adopted self-cooling mode rapidly reduced system entire noise.
- ✔ Suitable for load design of household appliances, communication base stations, optical storage devices, etc., easy to install and operate.
- ✔ Self-consumption and feed-in to the grid , Programmable multiple operation modes: On grid, off grid and UPS.
- ✔ Supporting WiFi(optional) monitoring and build-in 2 strings for 1 MPP tracker, 1 string for 1 MPP tracker

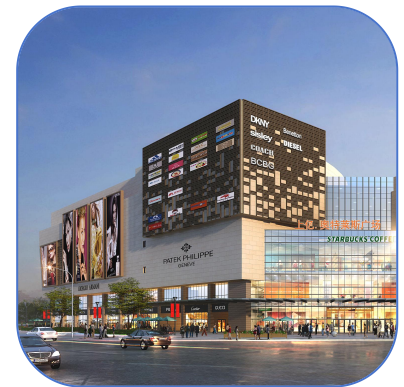
# Application



Villa



Hospital



Supermarket



## 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](mailto:info@pretapower.com)

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

