



## Pinsheng All in One Stacked Modules 51.2V LiFePO4 Lithium Battery 10Kwh 20Kwh Energy Storage Battery and 10Kw Hybrid Inverter

Our Product Introduction

for more products please visit us on [rechargeable-liionbattery.com](http://rechargeable-liionbattery.com)

### Basic Information

- Place of Origin: HUNAN
- Brand Name: Pinsheng
- Model Number: PE-ESS-03
- Minimum Order Quantity: 2
- Price: CN¥6,892.94-7,144.86

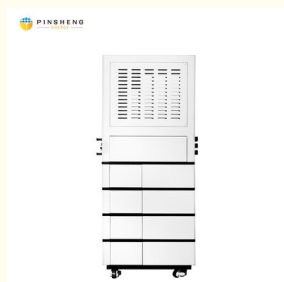


### Product Specification

- Features: All In One ( Built In Inverter)
- Application: Home Appliances, Solar Energy Storage Systems
- Weight: CUSTOMIZED
- Product Name: All In One Battery
- Battery Type: Lifepo4/lithium Battery
- Cycle Life: 6000 Cycles
- Voltage: 96v/153.6v Etc Customized
- Nominal Capacity: 50AH-300AH /Custom
- Protection: Smart BMS
- OEM/ODM: Acceptable
- Application: Household Energy Storage
- MOQ: No
- Warranty: 10 Years
- Anode Material: LFP



### More Images



## Product Description

### Pinsheng All in One Stacked Modules 51.2V LiFePO4 Lithium Battery 10Kwh 20Kwh Energy Storage Battery and 10Kw Hybrid Inverter

#### Product Overview

Advanced all-in-one energy storage solution featuring stacked LiFePO4 battery modules and hybrid inverter technology for reliable power management.



**PINSHENG ENERGY**

### All-in-one Home Solar Energy Storage System

*With the ideal lithium battery*

Classic upgraded model to experience the high-speed journey

The image shows a tall, white, modular energy storage unit with a digital display screen on the top section, standing in a modern living room. The unit is composed of several stacked modules and has wheels at the base.

- High-speed transmission**  
From the electrical module to the inverter and the battery module.
- Origin**  
From the electrical module to the inverter and the battery module.
- Durable**  
From the electrical module to the inverter and the battery module.
- Compatible**  
From the electrical module to the inverter and the battery module.



01

### Long life and safety

Vertical Industry Integration ensures more than 4500 times cycles with 80% DOD. Safe Lithium Iron phosphate battery cell.



02

### Intelligent

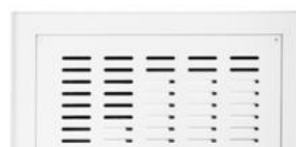
Each battery with independent BMS system manages power output smartly and effectively.



03

### Durable Modularization

Modular design gives the end customers the power of choice of capacity.



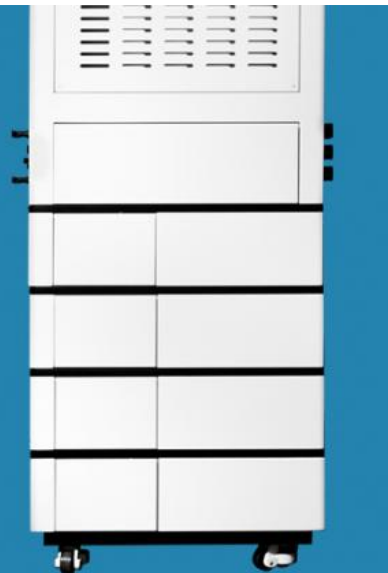
04

## Compatibility

### Easy to install and use

Just plug and play to minimize the installation time and cost.  
Compact and fashionable design fits in your sweet home environment.

PE-NAIO-1010, PE-NAIO-1015, PE-NAIO-1020, PE-NAIO-1025  
PE-NAIO-1010, PE-NAIO-1015, PE-NAIO-1020, PE-NAIO-1025  
PE-NAIO-1010, PE-NAIO-1015, PE-NAIO-1020, PE-NAIO-1025

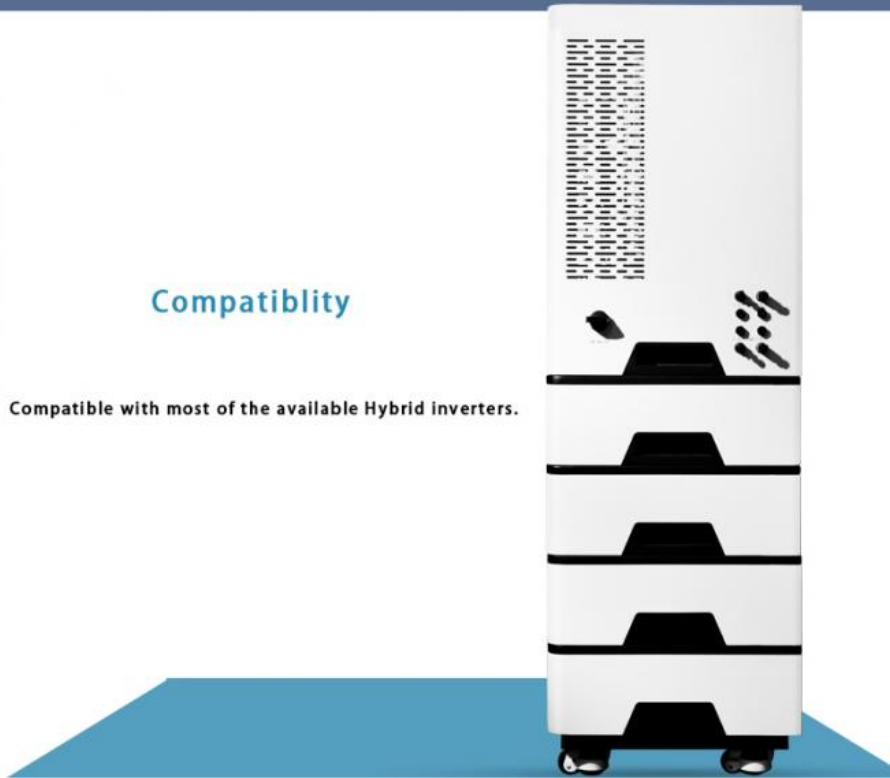


## Arbitrary compatibility with multiple brands

Customizable shape

## Compatibility

Compatible with most of the available Hybrid inverters.



## Technical Specifications

Model	PE-NAIO-1010	PE-NAIO-1015	PE-NAIO-1020	PE-NAIO-1025
Battery Voltage	204.8V	153.6V	204.8V	256V
Rated Power	10kW			
Current Rated	43.5A			
Voltage/Range	230V/176Vac~270Vac			
Frequency Ranges	50/60Hz			

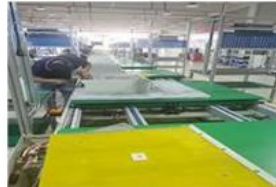
Model	PE-NAIO-1010	PE-NAIO-1015	PE-NAIO-1020	PE-NAIO-1025
Efficiency	0.99lagging~0.99leading(settable)			
THDI	<2%			
Battery Voltage Range	85v~400V			
Battery Pack Rated Voltage	204.8V	153.6V	204.8V	256V
Capacity Of Battery	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5
Charge/Discharge Current	50A/50A	80A/80A		
Battery Type	LiFePO4(LFP)			
Max. Input Power	13kW			
Max. PV Voltage	550V			
MPPT Range/Nominal	125V~500V/360V			
Max. Input Current	12A			
MPPT Tracker/Strings	2/2			
Rated Power w/VA	10kW			
Max. Output Power	12.5kW 60S/15kW 1S			
Rated Voltage	230V			
Rated Current	43.5A			
Rated Frequency	50/60Hz			
Automatic Switchover Time	<20ms			
THDU	<2%			
Size (W/D/H)	640mm*490mm*1262mm	640mm*490mm*1455.5mm	640mm*490mm*1649mm	640mm*490mm*1842.5mm
Weight (approx)	210kg	230kg	291kg	357kg
DC Max. Efficiency	98.2%			
MPPT Efficiency	99%			
Operating Temperature	-20°C~55°C			
Protection Level	IP21			
Noise Emission (typical)	<35dB			
Display	LCD			
Interface	CAN/RS485/WIFI			

## Company Display



PINSHENG  
ENERGY

### Hunan Pinsheng Energy Technology Co.,LTD



## Company Profile

Hunan Pinsheng Energy Technology Co., LTD located in Changsha City, Hunan Province, specializes in developing and producing Li-ion battery and battery system integration. Through years of development and research, we have formed a complete industry chain from research, production to sales.

Our lithium ion batteries feature longer cycle life, enhanced security and reliability, higher energy density, and superior performance. Products are widely used in electric bikes, E-scooters, electric motorcycles, electric tricycles, golf carts, fork lifts, electric vehicles, UPS, telecommunication systems, off-grid wind & solar energy storage, and more.

Pinsheng Energy Battery products sell well both domestically and internationally. We maintain strict quality assurance systems to ensure high-quality products. We prioritize customers' needs and continuously improve our product quality and services. With our own R&D team, we offer customized solutions and are dedicated to becoming a top OEM & ODM manufacturer in China.



# Exhibition



## Certifications



## Product Packaging





Available in carton package or wooden case. This 2022 New Home Solar System Solution offers capacities of 5KWh, 8.8KWh, 10KWh, 20KWh, 22KWh, and 30KWh LiFePO4 Energy Storage Systems.

# WE CAN DO IT



## Our advantage :

- ✓ high efficiency development based on our strong team
- ✓ supply goods with lowest price
- ✓ high quality service



## Our promise :

- ✓ professional service for customer , provide correct sample quickly
- ✓ supply high quality standard
- ✓ delivery goods on time

# PAYMENT&LOGISTICS

## LOGISTICS

BY AIR / BY SEA / EXPRESS / UPS / FEDEX / DHL



## Trade Assurance

T/T

WESTERN  
UNION

L/C

PayPal



VISA

## FAQ

### Q1 Q:Why choose Pinsheng energy ?

**A:** Pinsheng Energy have focused on this area over 12 years , it's a manufacturer with strong R&D team ; Professional sales and technical team ; Strict Production process & QC process ; Good after-sales service system etc .

### Q2 Q: Can I have a sample order?

**A:** Yes, we welcome sample order to test and check quality. Customized is available.

### Q3 Q: How to proceed an order?

**A:** Firstly let us know your requirements or application. Secondly we quote according to your requirements or our suggestions.  
Thirdly customer confirms the samples and places deposit for formal order.  
Fourthly we arrange the production.

### Q4 Q: What about the lead time?

**A:** Sample needs approx 15-25 days, mass production time needs negotiation.



**Hunan Pinsheng Energy Technology Co., LTD.**



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