



Low Voltage Residential 15kwh 20kwh All in One Ess Household Hv Battery Storage System

Our Product Introduction

for more products please visit us on rechargeable-liionbattery.com

Basic Information

- Place of Origin: Hunan
- Brand Name: Pinsheng
- Model Number: 50160119F
- Minimum Order Quantity: 1
- Price: \$689-889



Product Specification

- Battery Type: LiFePO4
- System Voltage: 51.2 V
- Output Power Range: 15-30KWh
- Dimension (L*W*H): Customized
- Weight: 50*N
- System Type: Stackable
- Type: All-In-One
- Communication Port: CAN, Rs485, Wifi, RS-232, Bluetooth
- Protection Class: IP54
- Grid Connection: Hybrid Grid
- Highlight: Low Voltage residential battery storage system, 15kWh household HV lithium battery, All in one ESS energy storage



More Images



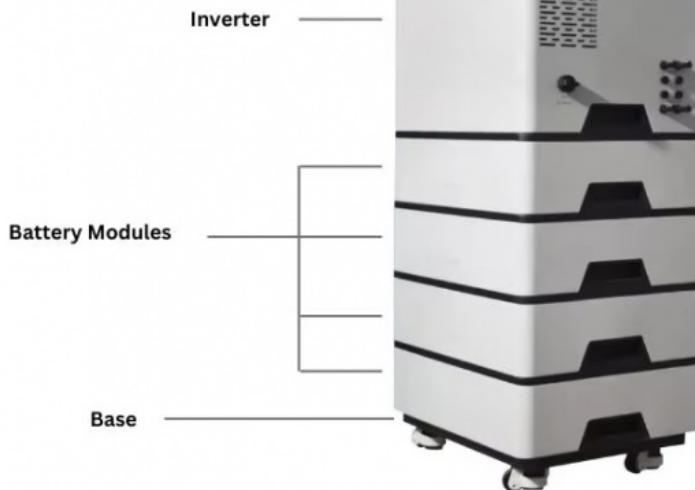
Product Description

Low Voltage Residential 15kWh 20kWh All-in-One ESS Household HV Battery Storage System



Features :

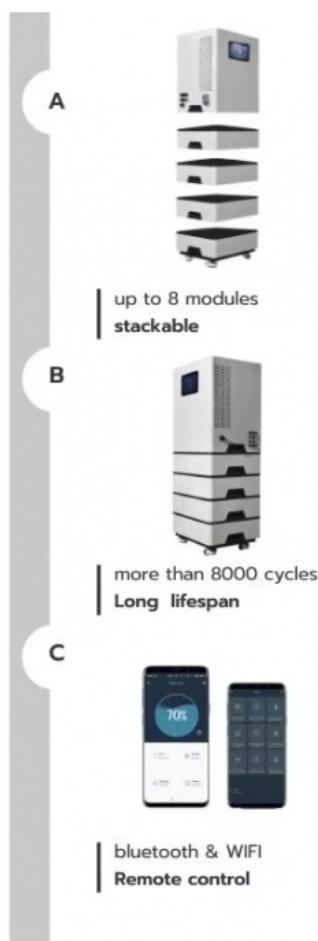
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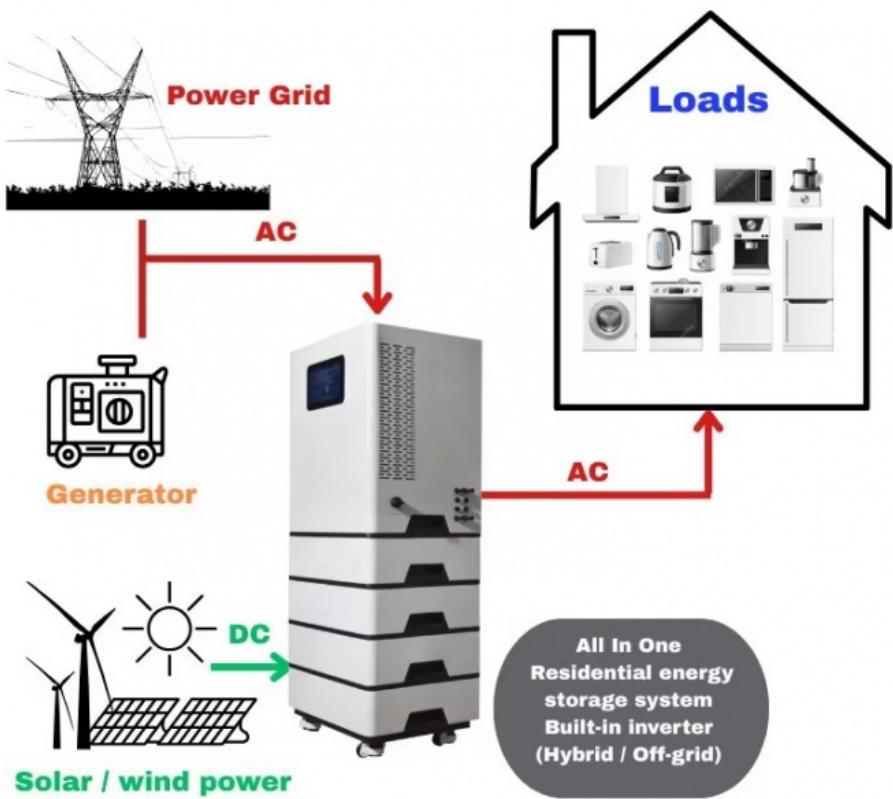


Built-in inverter options

8KW 10KW 12KW 15KW

ALL IN ONE STACKABLE







Product Features

All-in-One Design: Integrates high-capacity LiFePO4 batteries with optional inverter (8kW / 10kW / 15kW) for streamlined, space-saving residential energy storage

Easy Installation: Modular, stackable structure with bottom casters for quick setup and effortless mobility

Smart Communication: Supports multiple protocols including CAN, RS232, and RS485 for seamless integration with various inverters and energy management systems

Flexible Application: Compatible with both off-grid and hybrid grid systems to meet diverse energy needs

Long Lifespan & Reliability: Utilizes Grade A LiFePO4 cells with cycle life up to 8000 cycles, backed by 10-year warranty

Modular and Scalable: Available in configurations from 5kWh to 35kWh, easily expandable to match growing energy requirements

Technical Specifications

| | |
|--------------------------------|------------|
| Battery Type | LiFePO4 |
| Rated Voltage Range | 51.2V |
| Rated Capacity Range | 150~700AH |
| Max Charge/Discharge Current | 50A/100A |
| Operating Temperature | -15°C~55°C |
| Working Altitude | 0-2000m |
| Waterproof Level | IP20 |
| BMS Communication | CAN |
| Electricity Communication Port | RS485 |

| | |
|---------------------------|--------------------------|
| Cooling Method | Cooling Fans |
| Output Waveform | Pure Sine Wave |
| Switching Time | 10ms |
| Max Efficiency | 98.20% |
| European Efficiency | 97.50% |
| MPPT Efficiency | 99.5% |
| Noise Level | <35dB |
| Warranty | 5 years |
| Phase Selection | Single-phase/Three-phase |
| Inverter Options | 8/10/12/15 KW |
| Inverter Voltage Range | 125~600VA |
| Grid Voltage Range | 360~440V |
| PV Input Power | 4KW |
| Max PV Charge Current | 80A |
| AC Charge Current | 60A |
| Rated Output Power | 10KW |
| Max DC Input Voltage | 1000V |
| MPPT Work Voltage Range | 125~850V |
| Start Voltage | 125V |
| Rated Output Voltage | 400V, 3W+N+PE |
| Rated Frequency | 50Hz/60Hz |
| Inverter Dimensions | 600×400×850mm |
| Inverter Weight | 75.6KG |
| Battery Module Dimensions | 600×400×200mm |
| Battery Module Weight | 46.9KG |
| Base Dimensions | 600×400×55mm |
| Base Weight | 10.8KG |

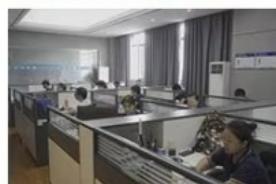
Company Profile

Company Display



PINSHENG
ENERGY

Hunan Pinsheng Energy Technology Co., LTD



Hunan Pinsheng Energy Technology Co., LTD located in Changsha City, Hunan Province, focuses on 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, higher security and reliability, higher energy density and other superior performance. Products are widely used in electric bikes, E-scooters, electric motorcycles, electric tricycles, golf carts, forklifts, electric vehicles, UPS, telecommunication systems, off-grid wind & solar energy storage, and more. Pinsheng Energy Battery products sell well at home and abroad, with strict quality guarantee systems to ensure high-quality products. We prioritize customers' needs and continuously improve product quality and services. With our own R&D team, customized products are available. Pinsheng Energy has become a competitive manufacturer in China, dedicated to being a top OEM & ODM manufacturer.

Packaging & Additional Products

Packaging: Carton Package, Wooden Case

Exhibition



Certifications



Product Packaging



WE CAN DO IT

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



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.

PINSHENG
ONLINE SERVICE
Any requirements please feel free to contact us. We will do our best to help you in any time

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