



Pinsheng 2023 48v High Voltage 120kwh 130kwh 140kwh 145kwh 150kwh 160kwh 60 kw High Voltage Solar Lithium Lifipo4 Battery

Our Product Introduction

Basic Information

- Place of Origin: HUNAN
- Brand Name: Pinsheng
- Model Number: PE-S10
- Minimum Order Quantity: 2
- Price: CN¥6,158.16-6,648.01



Product Specification

- Max Load Quantity(cells): 16
- Battery Type: Semi-solid State
- Cycle Life: 6000 Cycles
- Dimension (L*W*H): 1050*600*420
- Application: Home Appliances, Electric Power Systems, Solar Energy Storage Systems
- Weight: Customize
- Operating Temperature(): -20-60
- Cathode Materials: LiFePO4
- Battery Type: Lifepo4/lithium Battery
- Voltage: 48V/51.2V
- Capacity: 50ah 100ah Etc
- Cycle Life: 6000 Times
- Size: Customized Flexible Size
- Application: Household Energy Storage



More Images



Product Description

Pinsheng 2023 48V High Voltage Solar Lithium LiFePO4 Battery

Product Overview

High-performance 48V lithium iron phosphate battery system designed for solar energy storage applications, available in multiple capacity configurations from 120kWh to 160kWh with 60kW power output.





DURABLE

Very Important



SMART

Very Important



CONVENIENCE

Very Important



COMPATIBILITY

Very Important



METAL HOUSING
RUGGED AND DURABLE

THE USE OF HIGH-QUALITY STAINLESS STEEL METAL SHELL DESIGN CAN EFFECTIVELY RESIST THE DAMAGE CAUSED BY ACCIDENTAL IMPACT, ANTI-DROP WEAR RESISTANCE DOES NOT FADE



MOBILE

CONVENIENCE



STANDARD INTERFACE

PLUG AND PLAY

PLUG AND PLAY FOR YOUR CONVENIENCE

You asked me what you asked me what I need. It's nothing you can buy my heart's not ruled by greed
I don't love diamonds you see
I want you to hold me I want you to be true

METAL HOUSING
RUGGED AND DURABLE
FOR YOUR PEACE OF MIND

and as in most systems I was going out most years I
was not appreciated and I was
peachy to think you like I do but I was



Technical Specifications

| Performance Parameters | 10KW Model | 15KW Model | 20KW Model | 25KW Model |
|---------------------------------|--|--|--|--|
| Output Power | 10KW | 15KW | 20KW | 25KW |
| Phase | Simplex | Simplex | Simplex | Simplex |
| Maximum Output Power | 3KW/4KW/5KW optional | 3KW-5KW optional | 3KW-5KW optional | 3KW-5KW optional |
| Rated Voltage | 51.2V | 51.2V | 51.2V | 51.2V |
| Rated Capacity | 200AH | 300AH | 400AH | 500AH |
| Continuous Discharge Current | 100A | 100A | 100A | 100A |
| Peak Maximum Discharge Current | 110A/10S | 110A/10S | 110A/10S | 110A/10S |
| Standard Charging Current | 50A | 50A | 50A | 50A |
| Fast Charge Current | 100A | 100A | 100A | 100A |
| Number of Expandable Batteries | 2~15 | 3-15 | 4-15 | 5-15 |
| Optional Capacity Range | 10.24~76.8KWH | 15.36-76.8KWH | 20.48-76.8KWH | 25.6-76.8KWH |
| Cooling Method | Self-cooling | Self-cooling | Self-cooling | Self-cooling |
| Battery Type | Lithium Iron Phosphate | Lithium Iron Phosphate | Lithium Iron Phosphate | Lithium Iron Phosphate |
| Design Life | 15 years@25 | 15 years@25 | 15 years@25 | 15 years@25 |
| Cycle Life | ≈10000 times | ≈10000 times | ≈10000 times | ≈10000 times |
| Grid Voltage Range | 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2% | 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2% | 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2% | 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2% |
| PV Maximum Input Power | 4200W | 4200W | 4200W | 4200W |
| MPPT Voltage Range | 60-115Vdc | 60-115Vdc | 60-115Vdc | 60-115Vdc |
| Charging/Discharging Efficiency | >92% | >92% | >92% | >92% |
| Battery Voltage Range | 40.0Vdc~60Vdc ± 0.6Vdc | 40.0Vdc~60Vdc ± 0.6Vdc | 40.0Vdc~60Vdc ± 0.6Vdc | 40.0Vdc~60Vdc ± 0.6Vdc |
| Warranty | Battery (10 years) Inverter (5 years) |
| Inverter Size/Weight | 602*403*319mm/15KG | 602*403*139mm/15KG | 602*403*139mm/15KG | 602*403*139mm/15KG |
| Battery Size/Weight | 602*403*200mm/55KG single layer | 602*403*200mm/55KG single layer | 602*403*200mm/55KG single layer | 602*403*200mm/55KG single layer |
| Chassis Size/Weight | 602*403*82mm/6KG | 602*403*82mm/6KG | 602*403*82mm/6KG | 602*403*82mm/6KG |
| Installation Method | Stacked | Stacked | Stacked | Stacked |

Key Features

High voltage 48V system with multiple capacity options (120kWh - 160kWh)

Lithium Iron Phosphate (LiFePO4) chemistry for enhanced safety and longevity

Expandable battery system supporting 2-15 units

High efficiency charging and discharging (>92%)

Long design life exceeding 15 years at 25

Excellent cycle life of approximately 10,000 cycles

Self-cooling technology for reliable operation

LCD screen for customizable voltage settings and monitoring

Certifications & Standards

Product Certifications: CE, UN38.3, MSDS, Shipping, Dangerous Package

Cell Certifications: CE, UL, IEC 62109-1&-2, IEC 62477, EN61000, UN38.3

Product Packaging



Packaging: Carton Package, Wooden Case

Company Profile



Hunan Pinsheng Energy Technology Co.,LTD



Exhibition



Certifications



PAYMENT & LOGISTICS

LOGISTICS

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



T/T

WESTERN UNION

L/C

PayPal

MasterCard

VISA

Trade Assurance

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 located in Changsha City, Hunan Province, specializes in developing and producing Li-ion batteries 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, higher reliability, superior energy density, and other performance advantages. Products are widely used in electric bikes, E-scooters, electric motorcycles, electric tricycles, golf carts, forklifts, electric vehicles, UPS systems, telecommunication systems, and off-grid wind & solar energy storage applications.

Pinsheng Energy Battery products sell well both domestically and internationally, supported by a strict quality guarantee system. We prioritize customer needs and continuously improve product quality and services. With our own R&D team, we offer customized product solutions and are dedicated to becoming a top OEM & ODM manufacturer in China.



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