



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

Our Product Introduction

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

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

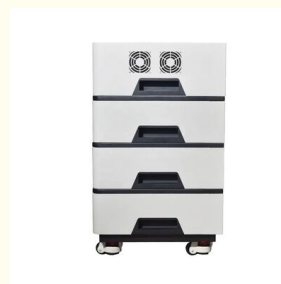


Product Specification

- 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

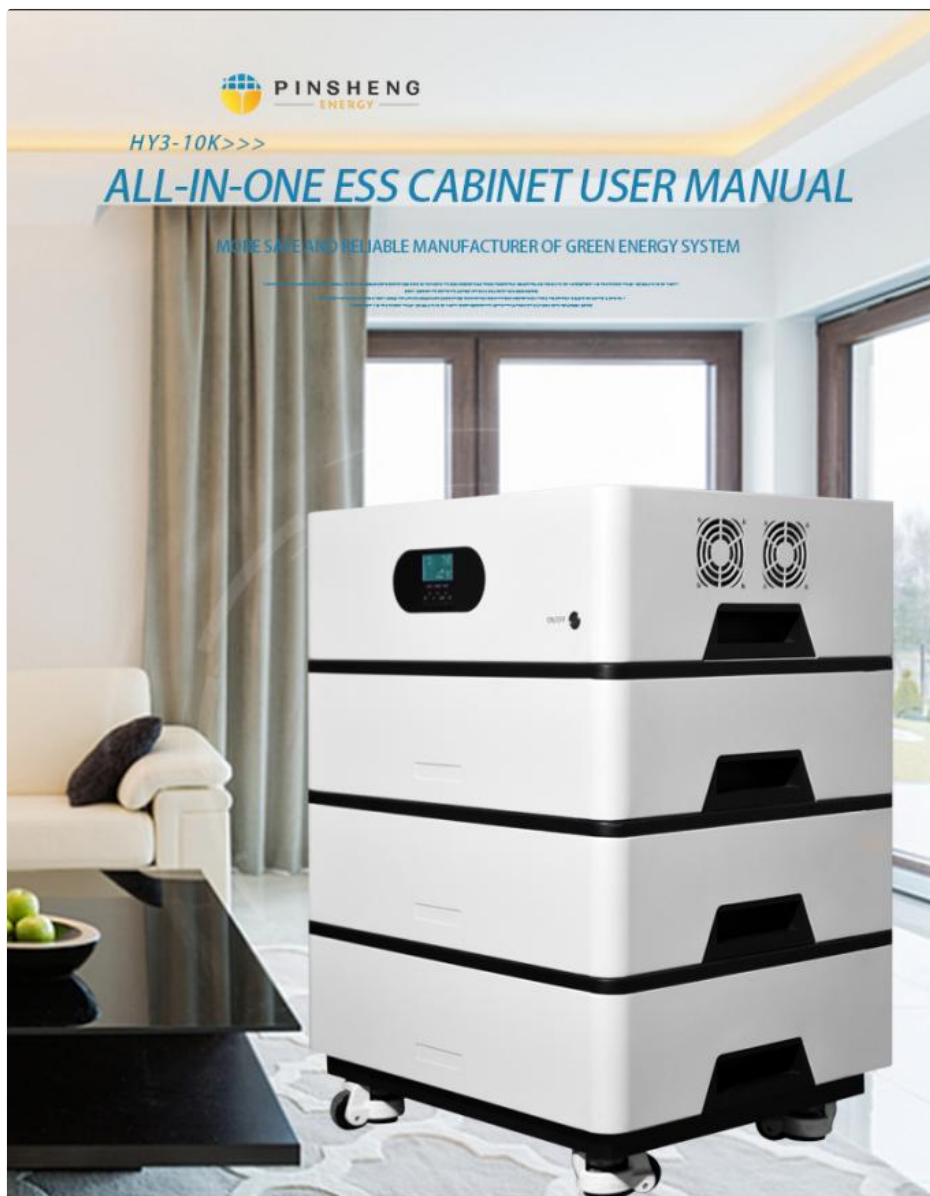


Product Description

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

15 Years
Warranty (Optional)



SMART

15 Years
Warranty (Optional)



CONVENIENCE

15 Years
Warranty (Optional)



COMPATIBILITY

15 Years
Warranty (Optional)



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

You asked me when you asked me what I need, it's nothing you can buy my heart's not cured by greed
I don't love diamonds you see
I want you you told me I want you to be true



MULTIPLE CAPACITIES

CHOOSE AS YOU LIKE

MULTIPLE CAPACITIES TO MEET APPLICATION NEEDS
BRINGING YOU A PERSONALIZED MOBILE STORAGE
EXPERIENCE

You asked me when you asked me what I need, it's nothing you can buy my heart's not cured by greed
I don't love diamonds you see
I want you you told me I want you to be true

35KWH

20KWH

25KWH

MOBILE

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



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

METAL HOUSING
RUGGED AND DURABLE
FOR YOUR PEACE OF MIND

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



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)	Battery (10 years) Inverter (5 years)	Battery (10 years) Inverter (5 years)	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

Certifications & Standards

Product Certifications: CE, UN38.3, MSDS, Shipping, Dangerous Package
Cell Certifications: CE, UL, IEC 62109-1&-2, IEC 62477, EN61000, UN38.3



Packaging: Carton Package, Wooden Case

Company Profile



PINSHENG
ENERGY

Hunan Pinsheng Energy Technology Co.,LTD



Exhibition



Certifications



PAYMENT&LOGISTICS

LOGISTICS

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



T/T



L/C

PayPal



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.



Hunan Pinsheng Energy Technology Co., LTD.



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