



Customized Household Battery Backup System Renewable 125V With BMS

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XWELL
- Certification: UN38.3, MSDS, UL, CB, BIS, PSE, GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE
- Model Number: SUN-3.6/5K-SG03LP1-EU
- Minimum Order Quantity: 1 pcs
- Packaging Details: Carton
- Delivery Time: 7-10 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 pcs per month



Product Specification

- Max AC Output Power (W): 3690W-5000W
- Start-up Voltage(V): 125V
- MPPT Range(V): 150V-425V
- Rated AC Output And UPS Power(W): 3600w-5000w
- Battery Type: Lead-acid Or Lithium-ion
- Battery Voltage Range(V): 40~60
- Max Charging Current(A): 90-120
- Max Discharging Current(A): 90-120
- Max DC Input Power(W): 4680-6500
- PV Input Voltage(V): 370 (125~500)
- Highlight: Customized Household Battery Backup System, 125V Household Battery Backup System, BMS Household Battery Backup System

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Product Description

125V Energy Storage Hybrid Battery Battery Cell Configuration Hot Product Renewable Household With Bms

Inverter Description

This series of energy storage inverters is LiFePO₄ battery use Grade A LiFePO₄ Cells, with higher energy density more stable performance and greater power. Highest-level safety based on UL Testing Certificate for the cell inside. From the source test to the packaging, every test is only to make the product better. Our LiFePO₄ battery has built-in BMS (Battery Management System) to protect it from overcharge, over-discharge, over-current, and short circuit with excellent self-discharge rate. Built-in high temp cut off prevents charging 45~60 °C, >45 °C derating.

Inverter Features

1. Standardization
 Size standardization
 Capacity standardization
 Voltage standardization
 Current standardization

2. Globalization
 High precision
 High performance
 High security
 High quality

3. Customization
 -Analyze requirements
 -Customize solutions
 -Evaluation test
 -Mass production

Inverter Specification

Model	SUN-3.6K-SG03LP1-EU	SUN-5K-SG03LP1-EU
Battery input data		
Battery type	Lead-acid or Lithium-ion	
Battery voltage range(V)	40~60	
Max charging current(A)	90	120
Max discharging current(A)	90	120
External temperature sensor	Optional	
Charging curve	3 stages/equalization	
Charging strategy for Li-Ion battery	Self-adaption to BMS	
PV string input data		
Max DC input power(W)	4680	6500
PV input voltage(V)	370 (125~500)	
Start-up voltage(V)	125	
MPPT range(V)	150-425	
Full load DC voltage range (V)	300-425	
PV input voltage(A)	13+13	
Max PV ISC(A)	17+17	
No. of strings per MPPT tracker	2/1+1	
AC output data		

Rated AC output and UPS power(W)	3600	5000
Max AC output power (W)	3690	5500
AC output rated current(A)	16.4/15.7	22.7/21.7
Max AC current(A)	18/17.2	25/23.9
Max continuous AC passthrough(A)	35	
Peak power(off grid)	2 times of rated power, 10s	
Power factor	0.8 leading to 0.8 lagging	
Output frequency and voltage	50/60Hz; 220/230 / 240Vac (single phase)	
Grid type	Singe phase	
Current harmonic distortion	THD<3% (linear load<1.5%)	
Grid DC component	<0.5%In	
Efficiency		
Max efficiency	97.60%	
Euro efficiency	97.00%	
MPPT efficiency	99.90%	
Protection		
Integrated	Island protection, DC reverse polarity protection, insulation resistance detection, surge protection, leakage current monitoring protection, output overcurrent protection, output short circuit protection, output overvoltage protection	
General data		
Certification and Licensing	CQC	
Operating temperature range ()	45~60 , >45 derating	
Cooling	Fan	
Noise(dB)	<30 dB	
BMS communication	RS485; CAN	
Weight(kg)	20.5	
Size	580×330×208mm	
Protection degree	IP65	
Installation type	Wall-mounted	
Warranty	5 years	

FAQ

Q: What is your MOQ?

A: There is no MOQ and we also support a sample service.

Q: How about the payment terms?

A: T/T, Paypal, Wire Transfer and Online Transfer are all acceptable.

Q: Is the battery kit equipped with BMS?

A: Yes, our battery kit comes complete with the BMS and all the accessories needed to assemble the battery pack. Customers can assemble their own battery packs if they have enough batteries.

Q: What options are available for the BMS that comes with the battery kit?

A: 100A/150A/200A BMS are available for customers to choose.

Q: What are the advantages of your battery kits?

A: Our kits have the following advantages:

- Stackable
- External port can pass 250A current individually
- The internal BMS is compatible with CAN and RS485 communication and can communicate with a wide range of inverters without complex commissioning
- The PCB boards are soldered with the corresponding wires for the customer to assemble in order
- The external LCD display shows the basic parameters
- The side clamping plates apply pressure to the battery for better clamping
- Equipped with a weak switch for greater safety
- Complimentary 485 adapter cable for connection to the PC

Q: What is the shipping time limit for battery kit?

A: The transit time is approximately 35-38 business days.

Q: What should I do when I receive the battery kits?

A: First open the box when you sign for it to check that the contents have not been damaged in transit, and then double check that the battery kit is complete with all the accessories.

Q: Why has my logistics information not been updated?

A: The goods will be shipped by UPS or a local shipping company, but due to the tedious process of shipping across borders, the logistics information will not be updated for a while until the goods arrive in your country. It is only when the goods are picked up by the local carrier and ready for dispatch that the logistics status will be updated accordingly.

Our services

1. Your inquiry related to our products price will be replied in 24 hours.
2. Experienced staffs to answer all your enquiries in fluent English
3. We make the OEM and ODM service for more than 5 years
4. Protection of your sales area, ideas of design and all your private information.
5. No matter big order or small order, we will provide all the best quality, best service.
6. If our products have any problem that we caused, they will be sent free in the next order.

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