



Lithium Ion Phosphate Residential Battery Storage System Hybrid Multipurpose

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

- Start-up Voltage(V): 125
- Max DC Input Power(W): 4680-6500
- Range(V): 150-425
- Charging Strategy For Li-Ion Battery: Self-adaption To BMS
- Battery Voltage Range(V): Forty-sixty
- AC Output Power (W): 3690-5000
- Charging Strategy: Self-adaption To BMS
- Max Discharging Current(A): 90-120
- PV Input Voltage(V): 370 (125~500)
- Rated AC Output And UPS Power(W): 3600-5000
- Highlight: **Phosphate Residential Battery Storage System, Residential Battery Storage System Hybrid, Multipurpose lithium iron phosphate battery storage**

Product Description

Energy Storage Hybrid Battery Environmental Friendly Mobile Ess Home Solar Pack Lithium Ion Phosphate Battery

Inverter Description

The battery bank is a collection of rechargeable batteries, which are usually lithium-ion batteries, that store the excess energy generated by the renewable energy source. The inverter converts the direct current (DC) power stored in the batteries into alternating current (AC) power that can be used by household appliances. The charge controller regulates the flow of electricity between the batteries and the renewable energy source, ensuring that the batteries are charged efficiently and safely.

Inverter Features

1. At only half to a third of the weight of a Lead Acid battery, LiFePO4 is the ideal choice for Marine, RV, Golf Carts, Motorcycles and Off-Grid applications.
2. Without any corrosive or harmful heavy metals, Our lifepo4 lithium Batteries are more environmentally friendly than SLA batteries.

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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