



## Off Grid ESS Lithium Battery , 460Wh Solar Portable Power Station

### 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: XW-600W-01
- 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

- Output Power: 600W
- Capacity: 460Wh
- Cell: LiFePO4 Battery
- Cycle Life: > 3000
- Charge Input: DC5521 12-24V-5A, PD 100W
- AC Output: AC220V/50Hz
- USB Output: 2 \* QC3.0 MAX 18 W 12V / 1.5A ; SCP  
Maximum Output Power: Maximum 22.5W
- Type-C Output: PD 100W Output
- Charging Parameters: DC 12-24V / 5A
- LCD Display: Battery Percentage And Battery Column Display
- Highlight: **Off Grid ESS Lithium Battery,  
Solar ESS Lithium Battery,  
460Wh solar portable power station**

## Product Description

### Solar Portable Power Station ESS Lithium Battery Off-Grid Solar Power System Home Generator

This portable power station, also known as a portable generator or battery generator, is a device designed to provide electrical power in situations where access to traditional power sources is limited or unavailable. This device is versatile and can be used for various purposes, including camping, outdoor events, emergency backup power, and remote job sites.

#### Benefits of ESS battery

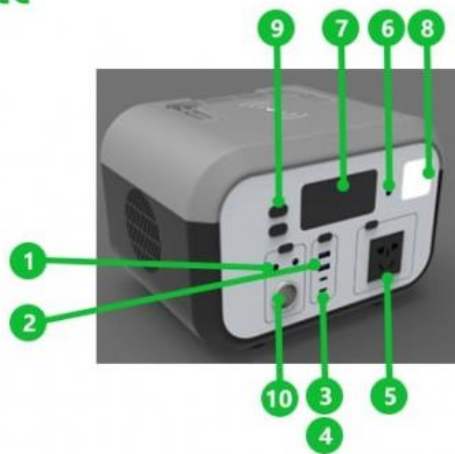
- 1. Frequency Regulation:** ESS can respond quickly to changes in grid frequency, helping to maintain stable grid conditions.
- 2. Reduced Transmission and Distribution Costs:** By storing excess energy locally, ESS can reduce the need for extensive transmission and distribution infrastructure upgrades.
- 3. Peak Demand Management:** ESS can help utilities manage peak demand periods, avoiding the need to purchase expensive electricity from external sources.
- 4. Backup Power:** ESS can provide backup power during grid outages, critical for maintaining essential services in places like hospitals, data centers, and emergency facilities.

#### Specification

Category	Project	Specifications
INPUT	DC input	DC5521 12-24V-5A
	DC input	PD 100W
AC OUT 220V	AC output voltage	1 port, AC220V±5%
	AC output power	600W
	AC output over power protection	650W Approximately
	AC output waveform	pure sine wave
	AC output peak frequency	1200W Peak maintenance time <50ms 50Hz
	USB output port	QC3.0 MAX 18 W 12V / 1.5A ; SCP maximum output power: maximum 22.5W
		QC3.0 MAX 18 W 12V / 1.5A ; SCP maximum output power: maximum 22.5W
		PD / QC3.0 MAX 30W 12V/2.5A
DC12V output	DC1 DC2 output	12V / 10A MAX
TYPE-C output/input	TYPE-C2	PD 100W output
Batteries	type	LiFePO4 battery / 3400mAh
	capacity	23.8Ah (6S7P)
	power	460Wh
	cycle life	1000+ times
Charging parameters		DC 12-24V / 5A
charging time	5 - 6H	Charge from 0% to 100% (automatic cut-off)
Full voltage	21.9V ±0.1V	The voltage when the battery is charged to the automatic cut-off
LCD display	Display power;charging, stop charging status	Battery percentage and battery column display
	DC, AC, inverter status	The display shows
boot static		<10W
Protective function		Short circuit, overload, over temperature, over voltage, over current, under voltage, etc.
over temperature protection	over temperature protection	≥85
	over temperature recovery	≤70

#### Front pannel

**XWELL**



1 DC12V/10A(DC5521) × 2

2 USB QC3.0 × 2

3 TYPE-C1 30W × 1

4 TYPE-C2 PD100W I/O × 1

5 AC output 220V/600W × 1

6 DC5521 12-24V/5A × 1

7 Display screen × 1

8 LED light × 1

9 Switch × 5

10 Car charger × 1

#### Product accessories

## Product Accessories



OUTDOOR POWER SUPPLY



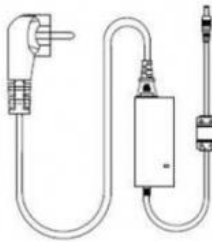
Car Cigarette Charging Cable



DC5521 to 5225



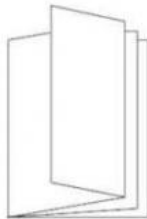
Solar Charging Cable



AC ADAPTER



TypeC CABLE



USER MANUAL  
WARRANTY CARD

Usage time for common devices

## USAGE TIME FOR COMMON DEVICES

 DESKTOP(300W) 1.5h	 TV(80W) 5.5h	 PRINTER(250W) 1.5h
 PROJECTOR(200W) 2h	 LAMP(10W) 46h	 LAPTOP(50W) 9h
 CAMERA(20W) 23 times	 CELLPHONE(10W) 48 times	 UAV(18W) 26 times
 FAN(50W) 9h	 CAR FRIDGE(65W) 5-10h	 SPEAKER(20W) 23h

The use time data is for reference only.  
Different equipment and use methods will lead different usage times.

### 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.



## **XWELL** GUANGDONG XWELL TECHNOLOGY CO., LTD.

+86 18620492985

[sales@esslithiumbattery.com](mailto:sales@esslithiumbattery.com)

[esslithiumbattery.com](http://esslithiumbattery.com)

Room 322, Building 3, No. 801, Qiaoxing Avenue, Xiaoluo Village, Shatou Street, Panyu District, Guangzhou, China