



### Important Safety Notice

To reduce the risk of FIRE, ELECTRIC SHOCK, EXPLOSION, and other unpredictable damages, carefully read and follow the safety precautions described therein as follows:

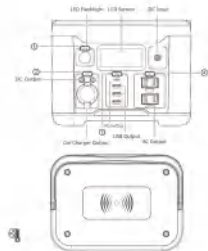
- ALWAYS supervise children closely when a portable power station is nearby.
- DO NOT use accessories sold by non-professional manufacturers.
- ALWAYS check to ensure that the product is unplugged when not in use.
- DO NOT disassemble the product.
- DO NOT use the product with damaged wires, plugs, or output cables.
- ALWAYS use the product in a well-ventilated environment, and DO NOT restrict the ventilation of the product in any way.
- ALWAYS keep the product in a ventilated and dry place and avoid it from getting wet.
- DO NOT expose the product to fire or temperature above 130 °C.



#### LCD Screen

The LCD Screen shows input status, output status, and the remaining power.

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Caution: Please do not touch the metal parts of the power station when it is charging or discharging.

#### LED Flashlight

Press click button ① to turn on the LED flashlight; avoid click to brighten the light; short click to start SOS mode; long click to turn off the LED flashlight.

#### DC Input

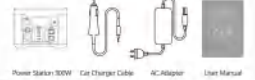
- Support AC adapter charging.
- Support car adapter charging.
- Support Solar Panel charging (2-20V).

Button: Press the button to turn on, press again to turn off.

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- The remaining power, expressed as a percentage (%).
- Sensitizing discharge time.
- Three output power.
- Press the DC button, the icon will appear, then the DC ports start function.
- Press the USB button, the icon will appear, then the USB ports start function.
- Press the USB button and plug in the Type-C cable, the icon will appear, then the Type-C ports start function.
- Press the AC button, the icon will appear, then the AC ports start function.
- The built-in fan starts rotating, when the temperature exceeds 45°C.
- Overload warning.
- Temperature warning of Inverter: Temperature range 0°C~85°C.

#### WHAT'S IN THE BOX



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### SPECIFICATIONS

Capacity	28Ah 14.8V 260Wh	DC Input	DC19V/3.28A
DC Output	12V/5A*2 Total 10A	Car port Output	12V/10A
AC Output	AC Continuous Power: 300W (200W sine wave) 300W (200W sine wave)	USB A1 (QC3.0)	USB-A2/A3 (5V, 2.4A)
Type-C Input/Output	PD 60W	Weight	11.8V / 2.4kg
Battery	Lithium-ion	Dimensions	215*130*102mm
Management System	Temperature control Surge protection Short circuit protection Over-current protection Low-voltage protection	Working Temperature	0~45°C
Lifecycles	>1000 Cycles	Recharging Temperature	0~45°C
Warranty	24 Months	Certifications	FCC/CE/UL/PSE/3
		Max. Power	10W

#### Charging method

Before using a new product or store a product, it is better to full charge it with the adapter included in the package. When the LCD screen shows 100%, it means it's full charged.

- Car Adapter About 9-10 hours
- AC Adapter About 6-7 hours

48W Solar Panel (Sold Independently)  
About 8-14 hours (Depending on the Weather)

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#### Devices supported

USB outputs: smartphones, tablets, smart watches, digital cameras, e-readers, etc.  
12V car charger port: car refrigerators, car vacuum, etc.  
DC outputs: drones, routers, car refrigerators, other 12V appliances.  
AC outputs: laptops, displays, home appliances, etc.



#### Instruction

- Press the button of the port you are going to use.
- Once the corresponding icon appears on the LCD screen, the port is ready to work.
- The continuous AC output power is 300W (peak output power is 600W). Once the limit power is exceeded, the product will automatically shut down.
- The AC ports will be turned off automatically if the output power is less than 2W for more than 30-45 minutes.
- The DC ports or car charger port will be turned off automatically if the output power is less than 2W for more than 8 hours.
- If the product is not used for a long time, recharge it every 2-3 months, keep the battery at 60-80%, and keep it in a cool and dry environment.

#### Note

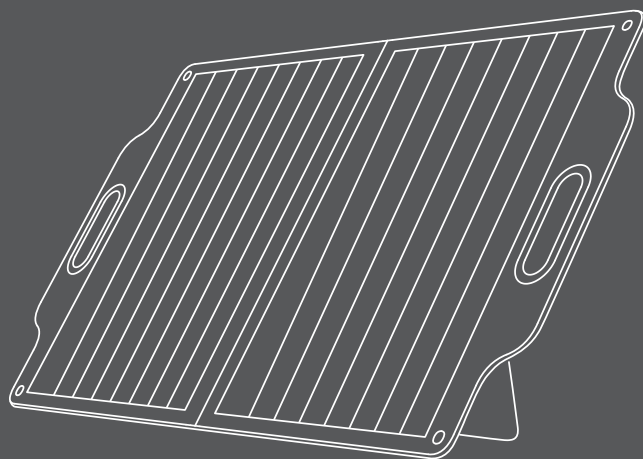
Turn off the AC output when not in use to save power.

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# POWERNESS

PORTABLE  
SOLAR  
PANELS

## Foldable Solar Panel SolarX S80



User Guide / Bedienungsanleitung / User Guide / 사용자 매뉴얼  
/ ユーザーマニュアル / Guía del usuario / Guida utente / 说明书

www.powerness.com

Thank you for choosing Powerness. please read the instructions carefully before use and keep it for further reference.

### Introduction

Built with the latest solar charging technology, Powerness SolarX S80 foldable 3-ways-charging solar panel provides clean and renewable electricity supply for Powerness or other brands Li-ion portable power stations, as well as a large variety of consumer electronic devices, such as smartphones, laptops or any other devices powered by USB or USB-C ports.

### Product Features

- Carefully selected solar cells for reliable performance. up to 23% high conversion efficiency enables Powerness solar panel to produce electricity in low-lux outdoor environment (>40000 Lux).
- Patented LCD display makes it always clear how much electricity user are getting from the panel.

### Operation Guidance

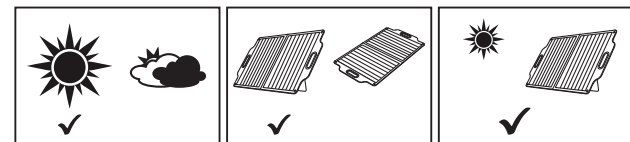
**Step 1:** Unfold this product and place it on it's kickstand,make sure it face towards the sun.

**Step 2:** Connect your electronic device to the USB port (or USB-C cable), or connect your Li-ion portable power stations to the DC cable.

The LCD display will show the current (amp) level when the solar panel is active.

#### Note:

Like any solar panel product, this product works at it's best efficiency on hot sunny days. On a cloudy day or in a shaded area, it's efficiency will be affected.



Set in direct sunlight and use the kickstand to ensure best performance

### Product Specification

Model: SolarX S80  
Peak Power: 80W  
Cell Efficiency: 23%  
Power Voltage: 18V  
Power Current: 4.5A  
Open Circuit Voltage: 21.6V

USB-A Output: 5V = 2.4A  
USB-C Cable Output: 5V = 2.4A  
Operating Temperature Range: -10-65 C  
Dimensions (unfolded): 1185 x 525 x 7mm  
Dimensions (folded): 590 x 525 x 30mm  
Weight: 3.4kg

### Package Content

1 x Powerness SolarX S80 foldable solar panel  
1 x User Manual

### Customer Service

We provide customers with a warranty of 12 months from the date of purchase. Reach us for supports by email [service@powerness.com](mailto:service@powerness.com)