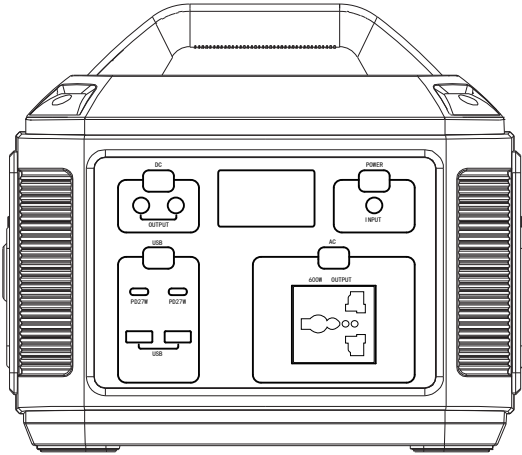# Portable Power Station
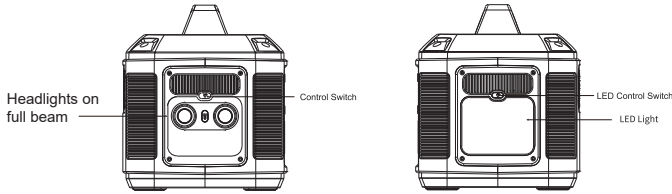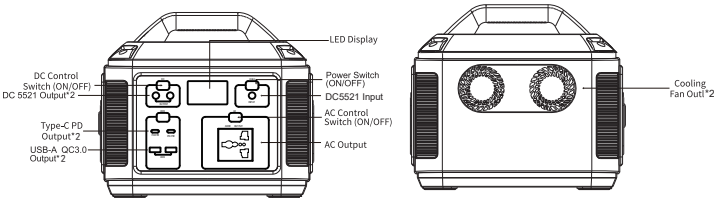
PPS500 User Manual

ABOUT THE UNIT

Thank you for purchasing our multi-function portable generator.In case of power failure,severe weather or on the road,you can temporarily charge your electrical or digital devices timely.This power station can provide USB,DC and AC output and keeps youslaptops,appliances,;ights and more running longer.Before using this unit,please rean the user manualcarefully and properly keep it for a reference.

PRODUCT PARAMETERS

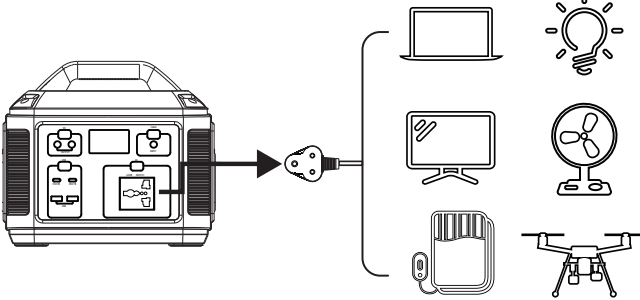| Capacity		466.2Wh
Built-in Battery		High Quality Lithium lon Batteries
Charging Methods		Adapter：DC 20V/5A
		Car charger:12~28V/2.5A
		Solar panels:5~28V/2.5A
		Type-C:5V/3A、9V/3A、12V/2.25A （PD27W）
Charging time		Adapter: 4hours(48W)
		Solar panel: 4hours(100W solar panel charger)
Output	AC	100~120V/60Hz±10%;220~240V/50Hz±10%; Rated power 500W
	2*USB	5V/3A 9V/2A 12V/1.5A (QC 18W)
	2*Type-C	5V/3A、9V/3A、12V/2.25A （PD27W）
	2*DC	12V/5A φ5.5mm
LED	5 modes / 5W	
Headlights on full beam	2 modes / 5W	
Cycle life	>500 times	
Weight	3KG	
Size	215*150*205mm/8.46*5.9*8.07inches	
Working temperature	-10～40℃	
Storage temperature	-10～40℃	
Packing included	1 x portable power station; 1x wall charger;1x car charger (Car charger -DC5521); 1xinstruction manual	

PRODUCT PARAMETERS

DC Control Switch (ON/OFF)
DC 5521 Output*2
Type-C PD Output*2
USB-A QC3.0 Output*2
LED Display
Power Switch (ON/OFF)
DC5521 Input
AC Control Switch (ON/OFF)
AC Output
Cooling Fan Outl*2

Headlights on full beam
Control Switch
LED Control Switch
LED Light

PRODUCT INSTRUCTIONS

How to provide power for AC appliances?

1. Press and hold the power button " ⏻ " to turn the device on. The LED screen will light up and display the remaining power level.
2. Press and hold the AC control switch button – once the AC indicator lights up, connect the power cord of the electrical appliance/device to the AC output socket.

• Short-circuit/Overload Protection:
   If the AC output is short-circuited or overloaded (more than 600W), the device will turn off to protect the device connected. Rectify the fault and re-press the AC 500W button to restart.

• Note – Short-circuit/ overload protections may occur when the electrical load is less than due to a sudden excessive load, as the peak power may be exceeding 600W .
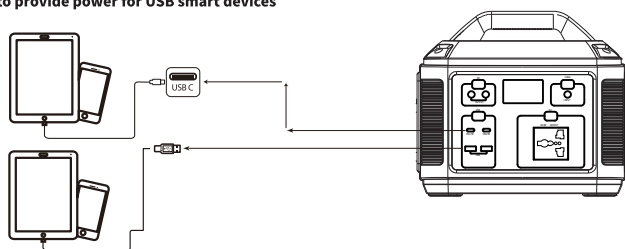
• When the device is not in use, turn off the device to save energy.
   Press and hold the AC control button to turn off the AC output.
   Press and hold the power button to turn off the device entirely.

Warning!
AC Voltage and Frequency of this product vary from region to region.
Before use, be sure to carefully check whether the specifications of the product is consistent with those of the electrical appliance, or it may cause damage or could involve injury.
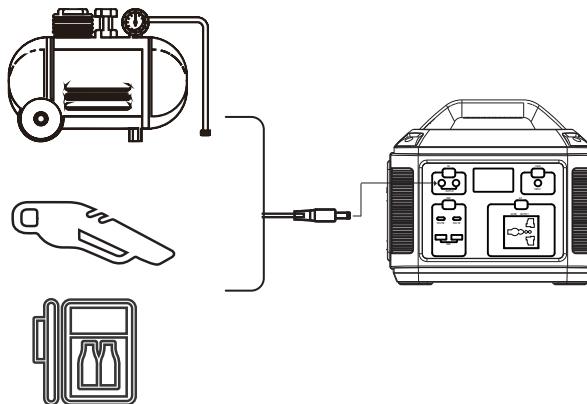
How to provide power for USB smart devices

1. Press and hold the power button " ⏻ " to turn the device on. The LED screen will light up and display the remaining power level.
2. Connect a USB cable to the USC output port on the power station. The USB output/ Type-C output indicator on the screen will light up.

4

· The maximum input/ output of the USB-C is 27W,5V/2A,9V/2A,12V/2.25A、
· Compatible with smart devices that support PD fast charging. The actual charging voltage and current is related to the smart device being used.
· USB output supports 5V/3A (MAX) devices such as smartphones, tablets etc.
· Intelligent power-saving mode will automatically be enabled when there are no devices connected or when fully charged.
· USB output will automatically be turned off within 30 seconds when a device is fully charged or not in use.

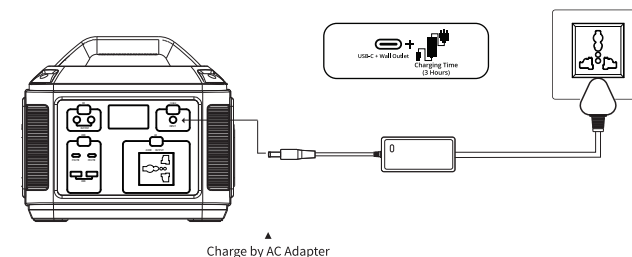**How to power vehicle equipment or devices with DC55 interface**

1. Press and hold the power button " ⏻ " to turn the device on. The LED screen will light up and display the remaining power level.
2. Press the DC switch button. The DC output will light up.
3. Connect the included car charging cable to the DC port and connect the other end to your vehicle to charge the power station.

· The output voltage of the DC is 12 V:
· The total output of 5.5mm ports is 6A.
· If you experience any problems, contact the manufacturer of the device to obtain the corresponding information.
· When the DC ports are not in use turn off the DC output to save energy by pressing the DC control switch or press and hold the power button to turn off the entire device.

5

How to use the LED Light Panel Function:
1. Press and hold the power button " ⏻ " for the device on. The LED screen will light up and display the remaining power level.
2. Press and hold the LED light control switch. The LED light panel will turn on and a light bulb indicator will appear on the screen.

• The LED light panel has five brightness settings - low, medium, high, SOS and sharp-flash. Switch between these modes by pressing the LED light button. Press and hold the LED light button to turn the LED light off.
· The high beam has two brightness Settings. Press the light button to switch between these modes.

How to charge this unit

Charge by AC Adapter

. Plug the included AC adapter into your AC socket - the device will start to charge.
2. A flashing battery icon on the screen indicated that the power station is charging. The urrent battery level will be displayed on the screen.
3. When the Battery icon on the screen is no longer flashing, the power station is fully charged and can be unplugged from the AC outlet.

Use the charger included in the box.
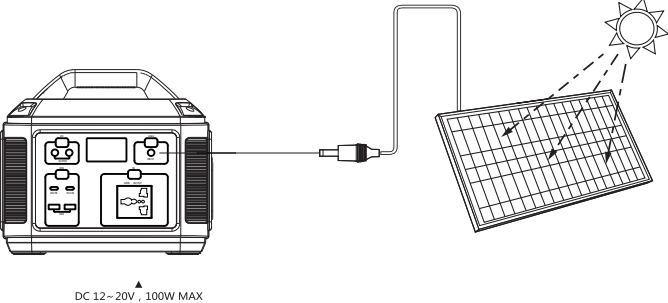Use the attached adapter for charging the device
Do not use the adaptor if it is damaged
During the charging phase the adaptor will generate heat - this is normal. In confined spaces the adaptor will become very hot, please do not use the device in these conditions for an extended period.

The charging process may take some time, this is a protection feature to prevent over harging of the battery.

6

Charging with a Solar Panel
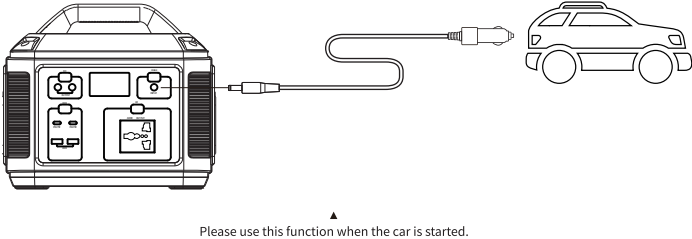

DC 12~20V , 100W MAX

1. Place the solar panel towards sunlight, then connect the power station to the solar panel with the DC 5.5mm interface cable to start charging.
2. A flashing battery icon on the screen indicated that the power station is charging. The current battery level will be displayed on the screen.
3. When the Battery icon on the screen is no longer flashing, the power station is fully charged and canbe unplugged from the AC outlet.

• The charging process may take some time, this is a protection feature to prevent overcharging of the battery.
• It can take up to 4 hours to fully charge the power station when connected to a 100W solar panel.
   Please note that this is calculated using the ideal charging conditions.

• The DC input includes protection functions:
- When the input voltage is below 5-20V, the maximum input current is 5A.
- When the input voltage is between 20V and 25V, the maximum current is 1A.
- When using solar panels to charge the power station, do not expose the device to direct sunlight.
- If there is not sufficient sunlight, the charging process will be prolonged.

7

Charging with a Car Charger

Please use this function when the car is started.

1. Plug the 12V car charger into the cigarette lighter and the 5.5mm interface cable into the DC port to start charging the power station.
2. A flashing battery icon on the screen indicated that the power station is charging. The current battery level will be displayed on the screen.

   The charging process may take some time, this is a protection feature to prevent overcharging of the battery.
   This function is suitable for vehicles that have 12V cigarette lighter sockets if the vehicle's battery voltage is too low the device will not charge.

Security and maintenance

1) Do not short-circuit the unit. Please keep it away from metal objects to avoid short-circuiing the device.
2) Do not expose the device to high temperatures and open flames. Do not expose the unit to water or other liquids.
3) Keep away from high humidity and dusty conditions.
4) Do not dissemble this device.
5) Do not drop or physically damage the device.
6) Keep out of reach of children.
7) Do not cover this device with clothing or any other similar items.
8) Disconnect the device after charging it.
9) Please use the device for its intended purpose to avoid injury.
10) Please recycle this device in accordance with your local regulations
11) This device is not intended to replace the standard AC or DC power for household appliances or digital products.

8

Tips

1) This product has a built-in, high-quality original Lithium battery - large capacity and Durable. We recommend that it is used in temperatures of 10°C - 30°C to obtain the optimal charging capacity.
2) To avoid interference, keep the device away from TV's and radios, and other equipment while charging.
3) Disconnect the charging cable before storing the device for long periods of time.
4) Some portable devices need to be set to charging mode before being able to charge.
5) To extend the service life of the Lithium Battery, we suggest charging the device every three months.

Attention

This manual is intended to help you use the power station correctly, it does not represent any discretion of the hardware and software configurations of the product. Please contact the manufacturer or reseller regarding the configuration of the product. Pictures used in this manual are used for reference purposes only.

Pure Sine Wave output

This unit provides **Pure sine wave** output and is compatible with AC electric appliances that work with Sinusoidal waveform power <600W. The operating efficiency will be different from devices using alternating currents with built-in motors such as fans, and printers to emit operating noise.
This product is intended for emergency use, it cannot replace the normal alternating current supply for long-term use.

Use in cold weather

Due to the chemical characteristics of the battery, the capacity will be effected with weather below 0°C. We recommend storing the device in a temperature isolated area and connect the power source. The heat naturally created by the charging process will help the product charging capacity.

Recycle

Send all used electronic products to a designated collection site or bin for proper disposal and collection.

10

Battery information

This device has a built-in non-removable rechargeable battery. Do not try to remove the battery
The battery can be charged and discharged hundreds of times

Warranty

The product comes with a 12-month manufacturing warranty from date of purchase.

CE FC RoHs PSE ♲ 🗑 MADE IN CHINA

11