

# **BROWEY**

## **PN-C600**

Portable Power Station

### **User Manual**

## Legal Disclaimer Notice

To ensure you use this product correctly, please read the user manual carefully before use and keep it in a safe place for future reference. If you do not follow the user manual properly, you could cause serious injury to yourself or others, or result in product damage and property damage. Our company is not responsible for any damage caused by fire, earthquake, third-party use, other accidents, intentional misconduct by customers, abuse, or other abnormal circumstances.

- Our company is not liable for damages caused by incorrect use or non-compliance with the "User Manual" using the product.
- The warranty covers all terms and conditions during warranty period. Anything that is not stated in the warranty terms and conditions is beyond the scope of our responsibility.

**Expected Usage:** C600 outdoor portable power bank/battery for any digital devices, maximum power consumption is 700W.

Our products are not suitable for use in equipment that involves personal safety and relies heavily on electricity, such as medical equipment, nuclear facility equipment, aviation equipment, spacecraft manufacturing, etc. We are not responsible for personal safety, fire, or machine failure caused by using the above equipment.



**Thank you for using our product.**

C600 has high safety, long-life, high-quality lithium iron phosphate battery, and an ergonomic "handbag" design, which is safe to use and easy to carry.

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## Precautions for Use

1. For first-time use, it is recommended to fully charge the battery to avoid inconvenience due to insufficient power.
2. Use in a well-ventilated environment and avoid anything that will block the vents.
3. Ensure the temperature range between -10~45°C when using this power bank, low temperature may affect the discharge capacity. (Cold environments, charging and discharge will increase the temperature of the product and can help the battery reach the best working state.)
4. Check the voltage on the back label if it is compatible with your electrical product before use, different voltage may damage your electrical product.
5. Heat up during charging is normal. The standard charger meets safety standards, allowing you to use it with confidence.
6. To maintain the high quality and long life of the battery, please charge the product immediately when the battery is low.
7. Although this product has a certain degree of water resistance, please do not immerse the product in water to avoid damage to the product due to the soaking of internal parts.
8. When the product stand and solar panel are opened, do not press hard to avoid damage to the product.
9. Do not disassemble the product or expose it to fire or temperatures above 100°C.
10. The battery capacity exceeds 100Wh stipulated in the "Air Transport Regulations" and cannot be taken on the plane.
11. Please keep out of reach of children.

## Brand Story

BROWEY is always from the user's point of view: safe, Eco-friendly, reliable, and portable, also emergency backup needs.

BROWEY after a long period of exploration and research, we have always adhered to the design concept of environment, safety, reliability, and portability, and we launched the world's first portable energy storage power bank with its own solar panel. The design concept won the 2022 German IF Design Innovation Award.

Our incorporation of solar panel design is a contingency insurance against future uncertainty, so the little energy harvested by solar charging may also give you a chance for a crisis turn.



Discipline Product Category

Portable Energy Storage Power Supply

## Parameter Specifications



### Basic Info

Battery Capacity : 614.4Wh

Size : 436 mm\*339 mm\*142 mm

Net Weight : 10.5KG

Certification Standard : UL CE FCC RoHS PSE METI UN 38.3

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### Output Specification

DC Output 2\*DC5525 : 12V/10A (MAX)

USB Output 2\*USB-A : 5V/3A 9V/2A 12V/1.5A

USB-C : 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A

AC Output : Rated Output 600W (Peak 1200W)

Sine Wave Output 110 V/5.45 A

Car Output : 12 V/10A (MAX)

## Product Appearance Introduction





01 30W solar panels

02 Cooling fan

When the temperature of the core part of the product reaches about 45°C, the fan starts to dissipate heat, and when the temperature drops below 40°C, the fan stops. (The fan will be driven instantly when the AC power is activated).

03 LCD display

LCD display shows battery percentage, different working status marks, input, and output power, etc.

04 LCD switch

Press this key to light up the display to show the remaining power, if the AC/DC output switch is not turned on, the display will automatically turn off after 15 seconds.

05 USB output port

2 USB-A end supports QC3.0 18W and Type-C PD 65W fast charge. (See details).

06 DC input port

Connect the included adapter charging cable and car charging cable or external solar panel charging cable to this port to charge this product.

07 AC output switch

Press this switch to show OUT AC on the display and turn on the AC output port. After use, press the switch again to turn off the AC power output.

08 AC output port

AC power can be supplied to electrical products with a power of 600W and below.

09 DC output port

2 DC end ports, the accessory pack comes with a DC cable and 10 DC transmission ports, which can be converted according to your needs.

10 DC output switch

Press this switch to show OUT DC on the display and turn on USB-A, USB-C, DC output, and car charger output. After use, press the switch again to turn off the DC power output.

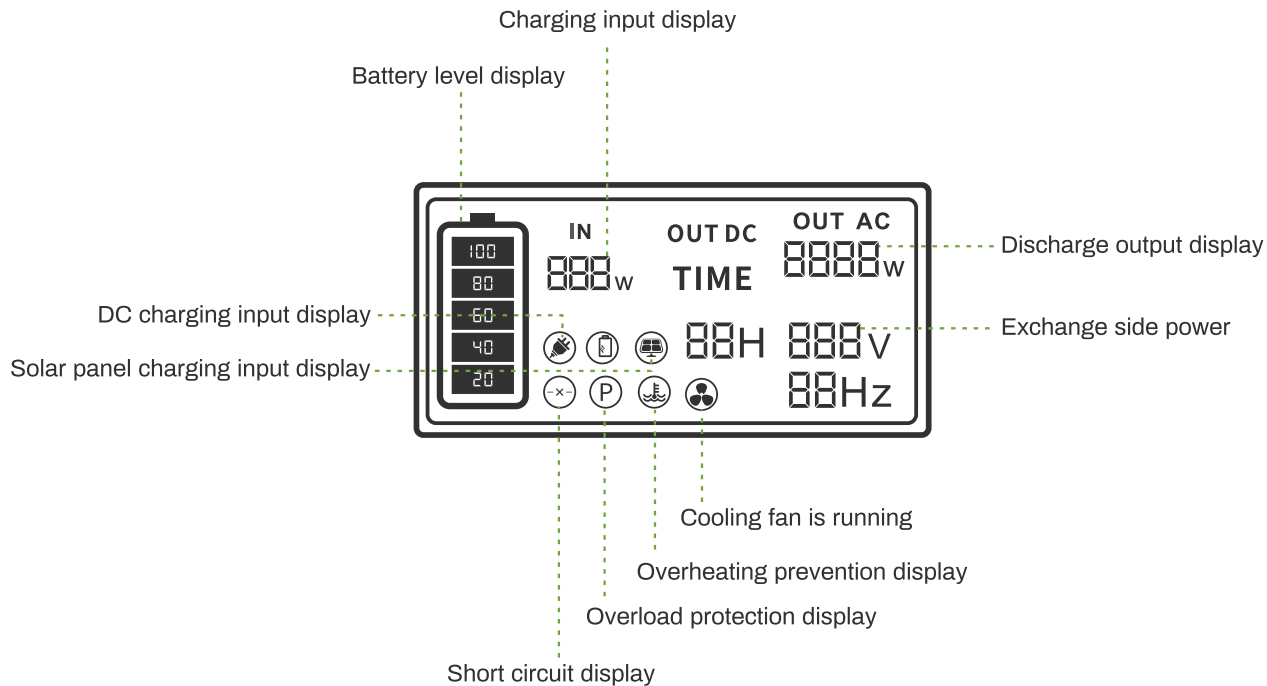
11 Car charger socket

Use the car charging cable to output. You can also charge this product with the included car charging cable.

12 Support bracket

Open the stand when charging with the solar panel.

## Introduction of Display Icons



## How to Use

### To charge this product

1. Use the charging cable (included) to charge this product (DC Input). The battery icon on the screen will flash while charging and show the current charge level. When the battery icon stops flashing, the product is fully charged.
2. Use the car charging cable (included) to charge this product (DC Input). For the ICE car, start the car before charging this product to void draining car battery.
3. Open the back cover to expose the solar panel, then open the back bracket, align the solar panel to the position with the strongest direct sunlight, and charge the product, the charging power depends on the power of the sun. (When the power of the sun is greater than 25,000 Lux, it can meet the maximum voltage).
4. You can charge this product by plugging it into the DC input port with a solar panel (sold separately).

## Power supply for DC devices

Press the DC output switch, LCD display shows “OUT DC”, the power bank is ready for charging any DC devices. Turn the DC output off after use.

## Power supply for AC devices

Press the AC output switch, LCD display shows “OUT AC”, the power bank is ready for charging any AC devices. Turn the AC output off after use.

NOTE: The AC output of this product 110V~60Hz, 600W. Please make sure the input voltage, frequency, and power of the AC devices.

## Charging Method



Adapter  
DC24V/4.5A 6 Hours



Solar Panels Charging  
DC12-30V/4.5A



Car DC12-24V  
6-12 Hours



Built-in 30W  
Solar Panel Charging



## Output Device Reference



**12 Charges**

Laptop (50Wh)



**55 Charges**

Phone (3208mAh)



**21 Charges**

Pad(28.6Wh)



**41 Charges**

Camera (15Wh)



**61 Hours**

Fans (10W)



**30 Hours**

LED light (20W)



**61 Hours**

Router (10Wh)



**4.3Hours**

TV (140W)



**61 Hours**

Portable Radio (10W)



**20 Charges**

Drone (30Wh)



**12 Hours**

Car refrigerator (50Wh)



**15 Hours**

CAPA Machine (40W)



**2.4 Hours**

Wall breaker (250Wh)



**10 Hours**







Projector 60Wh)



**10 Hours**

Speaker (60W)

## BMS Protection Mode

1. Low Voltage Protection: When the battery is almost done,  will flash, charging will stop to protect over discharge, please charge this product.
2. DC Overcurrent Protection: When the total current of the DC devices exceeds the maximum allowance,  will flash, the DC output will be off, you will hear a "dip~dip~dip~" sound. Please remove one/some of the devices and restart the DC output.
3. DC Short Circuit Protection: When the DC output is shorted,  will flash, the DC output will be off, you will hear a "dip~dip~dip~" sound. After troubleshooting, you can restart the DC output.
4. AC Overload Protection: When the total power of the AC devices exceeds the maximum allowance, the AC output will be off, you will hear a "dip~dip~dip~" sound and see  will flash on the LCD display which remind you to use electrical equipment within the rated power range of this product ( $\leq 600W$ ).
5. AC Short Circuit Protection: When the AC output is shorted,  will flash, the AC output will be off, you will hear a "dip~dip~dip~" sound and see an icon on the LCD display, which tells you to do troubleshooting and restart the AC output.
6. Overheat Protection: When the product overheats due to high temperature and power during AC use, the fan will start to drive away the interior high temperature to make sure the power bank is working properly. You will also hear a "dip~dip~dip~" sound and see  will flash on the LCD display. To make sure no parts are damaged after the temperature drops and the load factor decreases, it can be used normally again.

## Battery Specifications

Material:  $\text{LiFePO}_4$  (Lithium Iron Phosphate)

Cycle Life: 3500 times (after 3500 cycles, 80% of the capacity remains)

Type of Protection: High/Low temperature protection, Low voltage protection, Over discharge protection  
Over charge protection, Overload protection, Short circuit protection, Overcurrent Protection.



## Operating Temperature

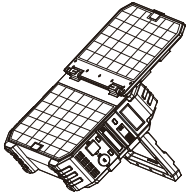
Best Work Temperature:  $20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$

Charging Temperature:  $-10^{\circ}\text{C}$  to  $45^{\circ}\text{C}$

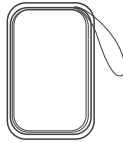
Discharge Temperature:  $-20^{\circ}\text{C}$  to  $75^{\circ}\text{C}$



## What is Included



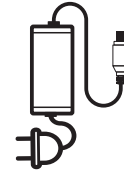
1 x Portable Power Station



1 x Bag for Accessories



1 x Car Charging Cable



1 x Power Adaptor



1 x DC Output/Input Cable



1 x User Manual



10 x DC Plug Conversion Adapter

### DC Plug Conversion Adapter:

A: 6.5\*4.4MM pin   B: 6.3\*3.0MM   C: 5.5\*2.5MM   D: 5.5\*2.1MM   E: 5.5\*1.7MM

F: 4.8\*1.7MM   G: 4.0\*1.7MM   H: 3.5\*1.35MM   J: 7.4\*5.0\*0.6MM pin   K: 7.9\*5.5\*0.9MM pin

Problem	Troubleshooting	Solution
The power bank cannot be turned on.	The two ends of the charging cable are not firmly connected, and the display is not on.	Firmly connect both ends of the charging cable.
No output is working.	AC/DC output switch may not be pressed.	Try to press AC/DC output switches.
	Electrical devices may not be properly connected to the power bank.	Make sure the power cable is securely connected.
	The power bank may have low power consumption.	Charge this power bank.
Output stops after running for a while.	The rated power of any product may be too large, or the instantaneous starting power may be greater than the output power of the power bank.	Try connecting the device to a power source with a higher output.

## Customer Service

BROWEY's any product comes with a free customer service and lifetime warranty.

BROWEY promises every customer, during the applicable warranty period identified in the "Warranty Period" section below, this product is free from defects in craft and materials, subject to the following exclusions.

### Warranty period

The free warranty period for this product is 48 months, In each case, the warranty period begins on the date of purchase by the original buyer. To determine the start date of the warranty period, a receipt for the original buyer is required, or other reasonable written evidence.

### Original buyers only

BROWEY's warranty is limited to the original buyer and any subsequent owners. Browey's warranty does not apply to any product that is misused, abused, modified, damaged by accident, or purchased through unauthorized online auction houses.

### BROWEY's warranty does not apply

1. Appearance damaged after using the product.
2. Disassembly, modification, or repair by unauthorized person.
3. Product performance failure caused by human factors.
4. Damage caused by natural disasters, lightning strikes, accidents, etc.

### How to contact us

If you have any questions or need our support for warranty service, please contact us via email [support@browey.com](mailto:support@browey.com). Our customer service team will provide technical support within 48 hours. (Please send your order number instead of the warranty card if your purchase is from Amazon) .

## Warranty Card

Model :	
Purchase Date :	
Warranty Period :	
Warranty Details	
Exchange :	Warranty :



## Portable energy storage power supply

CLIENT / MANUFACTURER  
shenzhen panizhe technology Co.,ltd  
Shenzhen, China

[illegible]

351-PD-344425

