

USE AND CARE MANUAL

PORTABLE POWER STATION

**CASAINC MODEL
CP-PSP300**



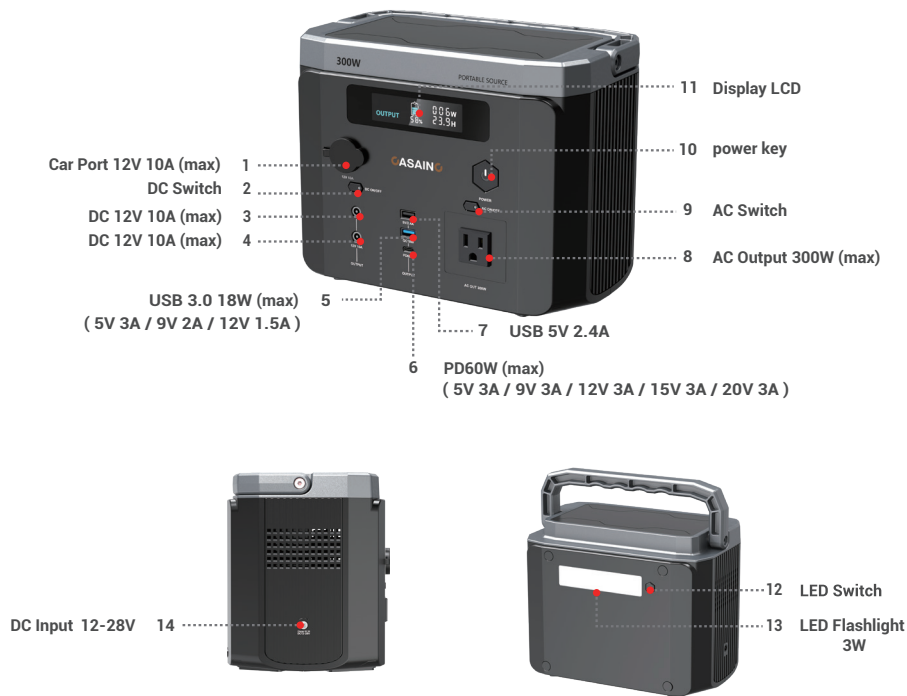
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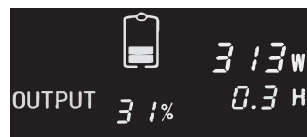
1. BASIC FUNCTIONS

1. Stylish design, exquisite and easy to transport.
2. Light weight, small size, large capacity, the use of high-quality lithium ion batteries.
3. Support DC USB2.0 USB3.0 PD60W, DC Output 12V 10A, 120V AC.
4. Five protection functions make it safer to use.
5. Three charging modes, charging from the wall, charging from solar and charging in the car.
6. It has a variety of uses. It can meet small printer, various lights, small aquarium heater, notebook. Be used when lighting is needed for photography, emergencies, etc., and when feeding firefighting, emergency rescue and disaster relief.

2. PANEL FUNCTION DESCRIPTION

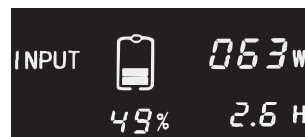


Power output display



Output status Battery remaining Time remaining

Power input display



Input status Battery remaining Time remaining

3. METHOD OF USE

1. Steps for AC power :

- (1) Click power key No.10
- (2) Click AC switch No.9
- (3) The AC power supply starts to work



2. Steps for DC power :

- (1) Click power key No.10
- (2) Click DC switch No.2
- (3) Start DC power supply



3. Steps for LED light :

- (1) Click power key No.10
- (2) Long press LED switch No.12 for 3 seconds, Turn on the LED light
- (3) Click LED switch No.12 to enter the Lighting Mode
- (4) Click LED switch No.12 to enter the SOS mode
- (5) Click LED switch No.12 to enter the Strobe Mode
- (6) Then, press again to turn off the LED Light



In any of these modes, the light can be turned off by hold down 3 seconds.

Note :

1. When press switch, the light of output port is on, it will be standby state.
2. If the AC port is not used, press the switch button to close it to save power.

4. CHARGING INSTRUCTIONS

The product can be charged in three modes, charging from the wall, charging from solar and charging in the car, with voltages ranging from 12V to 28V. The current cannot exceed 5 A. Same charging port DC 5521. We suggest using ours special adapters, using other chargers will damage the product.

1. Charging from the wall :

Connect the charger to the power supply and insert the DC 5521 male plug into the port, the portable energy storage power product DC 5521 was charged.

2. Charging from solar :

Choose 18V 100W solar panel, 22V open circuit voltage. Solar panel in the sun, then the solar panel DC 5521 male plug into the DC 5521 charging port, charge portable energy storage power products.

3. Charging in the car :

This product can be charged with a 12V car charger. Please start the vehicle before charging to prevent draining the car battery and prevent your vehicle from being unable to start. Meanwhile, please ensure that the car charger and the car cigarette lighter provide a good connection, and ensure that the car charger is fully inserted. In addition, if the vehicle is running on bumpy roads, it is forbidden to use the car charger in case it burns due to a poor connection. The company will not be responsible for any loss caused by non-standard operation.

When the product is charging, the LCD screen will show the power and charging time in real time. When fully charged, the charger will automatically stop charging.

5. MAIN PARAMETER TABLE

Main Parameter Table	
Item No.	CA-PSP300
Model No.	PYS-PEK-U00300
Output Waveform	Pure sine wave
Output Voltage	120V / 60HZ
Power Output	300W
Battery Capacity	293.76Wh
Battery Model	3.6 V 2550mAh (4S8P) Support 3C discharging, 1C charging
Battery Type	18650 lithium-ion cells (ternary lithium)
DC Output	1x Cigarette lighter 12V/10A
DC Outputs	1x Cigarette lighter 12V/10A+2x DC5525 (Sharing 12V/10A)
USB Outputs	USB2.0 5V 2.4A / USB QC3.0 / PD 60W (Independence)
Charging Time	6 ~ 7H
Charging Voltage and Current	16.8V d.c. 3.8A(Support 12-28V) / Solar Panel 18V 100W
LED Lighting	3W (Lighting、SOS、Flashing)
Ambient Temperature	0℃ ~ 40℃
Discharging Temperature:	0℃ ~ 40℃
Storage Temperature	-10℃ ~ 65℃
Product Dimensions	L10.04 * W6.30 * H7.83 in
Net Weight	8.6 lb.
Protection Functions	Input/output under-voltage, Input/output over-voltage, over-temperature, overload, short-circuit

6. SAFETY PRECAUTIONS WHEN USING

A photovoltaic panel as an input for charging the internal battery shall be provided with an inverter and/or a charge controller in accordance with UL 1741 or UL 62109-1; The external power supply shall be a power source in accordance with the Standard UL 60950-1 and CAN/CSA C22.2 No. 60950-1, or UL 1310 and No. 1, CAN/CSA C22.2 No. 223, or No. 1, CAN/CSA C22.2 No. 223; A vehicle adapter that complies with the enclosure and input contacts requirements in the Standard for Vehicle Battery Adapters, UL 2089, and Power Supplies, CAN/CSA C22.2 No. 107.1. The connector plug shall incorporate a fuse or other protective device having a current rating not greater than 15 A.

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

1. WARNING – When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.
- e) To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) Do not disassemble the power pack, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- i) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

j) WARNING – RISK OF EXPLOSIVE GASES.

- 1) To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of the battery. Review cautionary marking on these products and on engine.

k) PERSONAL PRECAUTIONS

- 1) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- 2) Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.
- 3) If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
- 4) NEVER smoke or allow a spark or flame in vicinity of battery or engine.
- 5) Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
- l) When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
- m) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- n) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion. The temperature of 130°C can be replaced by the temperature of 265°F.
- o) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- p) Attach output cables to a battery and chassis as indicated below. Never allow the output clamps to touch one another.
- 1) Instructions shall include step by step directions for the proper use of the booster function detailing the correct steps to connect and disconnect the booster cables to the battery.
- 2) Each step shall be a different numbered item.

OPERATING INSTRUCTIONS

- 1) Instructions regarding battery charging, temperature limits for appliance and battery use and storage, and the recommended temperature range for charging.
- 2) Indoor use only power packs.
- 3) Please charge it once every 3 months when not in use.
- 4) Portable power station does not support simultaneous charging and discharging.
- 5) Do not use one AC socket to connect multiple devices simultaneously.
- 6) Due to the characteristics of battery cells, we recommended that the user put the power station on hold for about 2 hours after the full load is discharged.

SAVE THESE INSTRUCTIONS

7. COMMON PROBLEM JUDGMENT AND SOLUTION

Problem Symptoms	Reasons	Dealing ways
Press button, screen and output no response	Lower power or overload protection	Activate it first before use
The crystal screen is Normal display, press the AC switch, no AC output	Overheating	Shut off and recover it normal temperature.
	Overload	The abnormal load is removed and automatically recovered after the load becomes normal
	Low voltage or low capacity	Recharge it immediately
USB has no output	The DC switch is not pressed	Press the DC switch button
Inaccurate display or show confusion	The display is broken, or the internal line is reversed	Contact with the seller timely via email for resolving
Energy output is too small	DC and AC work at the same time	The total output power must not exceed maximum rated power
Can't recharge it with solar panel	Solar panel doesn't match it well or lack of sunlight	Match solar panels that are greater than the battery
Can't recharge it with wall outlet	Charger broken or the built-in MPPT charger management system broken	Contact with the seller timely via email for resolving

8. LIST OF PACKAGE CONTENTS

NO .	List of packing	quantity
1	Portable energy storage CA-PSP300	1
2	Car charging cable	1
3	Power cable and adapter	1
4	User manual	1
5	Service card	1
Outer box size (in): L12.40*W9.06*H12.01 Packing quantity (pc): One power supply per box		

9. AFTER-SALES WARRANTY SERVICE

The shelf life of this portable energy storage power supply is 12 months from the date of sale; in Due to defects in materials and machining, the warranty will be repaired and replaced free of charge The parts belong to our company;

Under warranty, they send the repaired products in-house To be tested and identified under service conditions by our after service maintenance personnel Regular maintenance, free maintenance; During the guarantee period, the following conditions shall not apply Use our free repair service:

- Unauthorized disassembly of the product;
- Damage to the appearance of the product packaging, such as wear, scratches, cracks and cracks, is not covered by the warranty;
- Failure due to user's failure to comply with instructions, misuse, repackaging and other reasons;
- Due to accidents, human factors, environmental and other factors (operating error, collision, strain) Unreasonable, humidity input, etc.) failure or damage;
- Damage or damage caused by force majeure such as natural disasters (earthquake, fire, tsunami, etc.);
- The packaging and accessories of the products are not covered by the warranty;
- During the past warranty period, our company provided repair service for a fee.

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