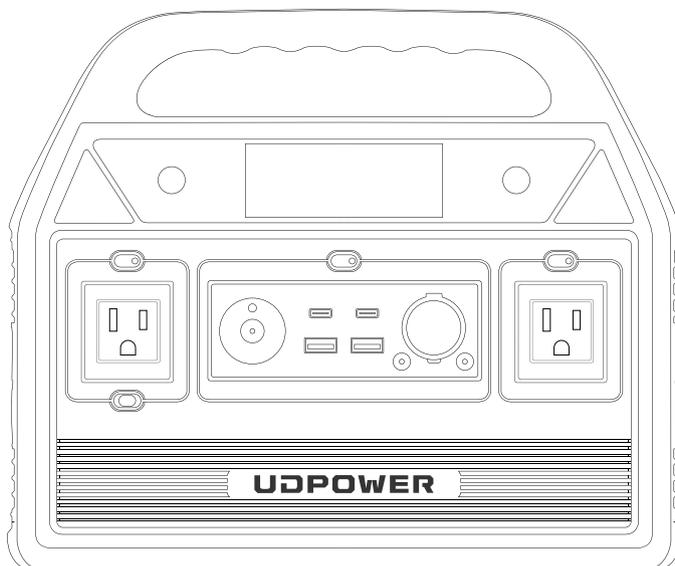# UDPOWER

AC0600

User Manual

Disclaimer

Read this manual carefully before using the product and follow the safety guidelines for proper use of this product. After reading this manual, keep it properly for future reference. To the extent permitted by law, improper handling of this product may directly or indirectly result in the risk of damage to the product, personal injury, or property damage. Once you start using the product, you are deemed to have understood, recognized, and accepted all the terms and contents of this document. The user undertakes to be responsible for his/her behavior and all consequences arising from that place. UDPOWER is not liable for any damages arising from the user's failure to use the product by this User Manual.

In compliance with laws and regulations, UDPOWER reserves the right of final interpretation of this document and all documents related to the product. This document is subject to update, revision and termination without prior notice. Please visit UDPOWER's official website or follow the UDPOWER's social media account to obtain the latest product information.

Content

UDPOWER

Specifications

General Information

Model	AC0600
Dimension	11.1 x 6.1x9.4 inchs (281*154*240 mm)
Capacity	596Wh (46.5Ah 12.8V)
Testing and Certification	UL2743, PSE, FCC, ROHS, UN38.3
Weight	Approximately 12.3lbs (5.6 kg)

Output Specifications

AC Output (2PCS)	Pure Sine Wave- 120V~60Hz, 600W (1200W MAX)
UDTURBO	Appliance with Maximum Load 1200W
USB-A Output (2PCS)	5V⎓3A 9V⎓2A Total 36W
USB-C Output (2PCS)	5V⎓3A 9V⎓3A 12V⎓3A 15V⎓3A 20V⎓3.25A PPS: 3.3-21.0V⎓3A Total 100W
Car cigarette lighter Output	12-13.6V⎓10A, Total 136W MAX
DC5521 Output	12-13.6V⎓10A, Total 136W MAX

Input Specifications

Input Characteristics	Minimum input voltage :11V Maximum input voltage :28V
Solar Charging Input	240W MAX
Car Charging Input	120W MAX

Battery Specifications

Material	Brand New LFP Battery
Cycle Life	80%+ capacity after 3000 cycles

Operating Temperature

Ambient Temperature for Discharging	-4°F ~113°F(-20°C ~ 45°C)
Ambient Temperature for Charging	23°F ~104°F(-5°C ~ 40°C)
Ambient Temperature for Storage	32°F ~104°F(0°C ~ 40°C)

⚠️ Safety Instructions

Usage

· Due to the special nature of the product, please place the product out of reach of children, special people need to be used under the protection of a guardian.
· This product contains a built-in battery, it is strictly prohibited to disassemble in any way, violent impact, or extrusion.
· Do not use the product in a strong static electricity or strong magnetic field environment.
· Do not short-circuit or damage the product with wires or metal objects.
· It is strictly prohibited to insert fingers or foreign objects into the product or use sharp objects to puncture the product, to avoid abnormal operating conditions leading to short-circuit or damage to the product.
· It is strictly prohibited to insert fingers or foreign objects into the product or use sharp objects to pierce the product to avoid abnormal operating conditions that may lead to short circuits or damage.- Do not expose the product to fire or use the product at extremely high temperatures or under short-circuit conditions. If the product catches fire, use fire extinguishing equipment in the following recommended order
· If the product catches fire, use fire extinguishing equipment in the following recom mended order: water or water mist, sand, fire blanket, dry powder, and carbon dioxide fire extinguisher.
· It is strictly prohibited to block the fan during use forcibly. It is recommended to use the product in a dry and ventilated place and make sure the heat sink is not blocked.
· It is strictly prohibited to connect the product with a damaged power cord.
· If the connector of the product is dirty, please use a dry cloth to wipe it, do not use chemical or spray cleaner.- Do not allow the product to come into contact with any liquids, and do not use the product in the rain or in extremely humid environments.
· If the product accidentally falls into water, place it in a safe open area and keep it away from the product until it dries.
· After drying, please do not continue to use the product directly, please get in touch with the UDPOWER official after-sales service team or follow the waste method of this instruc tion manual - properly dispose of the product.
· Please get in touch with the UDPOWER after-sales service team or follow the disposal method in this manual to dispose of the product properly.
· Avoid strong impact or dropping the product from a high place, if an accident occurs, do not continue to use it, please contact the UDPOWER official after-sales service team. Please contact UDPOWER's official after-sales service team or follow the disposal method in this manual to dispose of the product properly.
· It is strictly prohibited to repair the product or replace parts/accessories that are not provided by the official company, if you need to repair the product or replace the parts/ accessories, please contact
· If you need to repair the product or replace the parts/accessories, please contact the official UDPOWER after-sales service team.
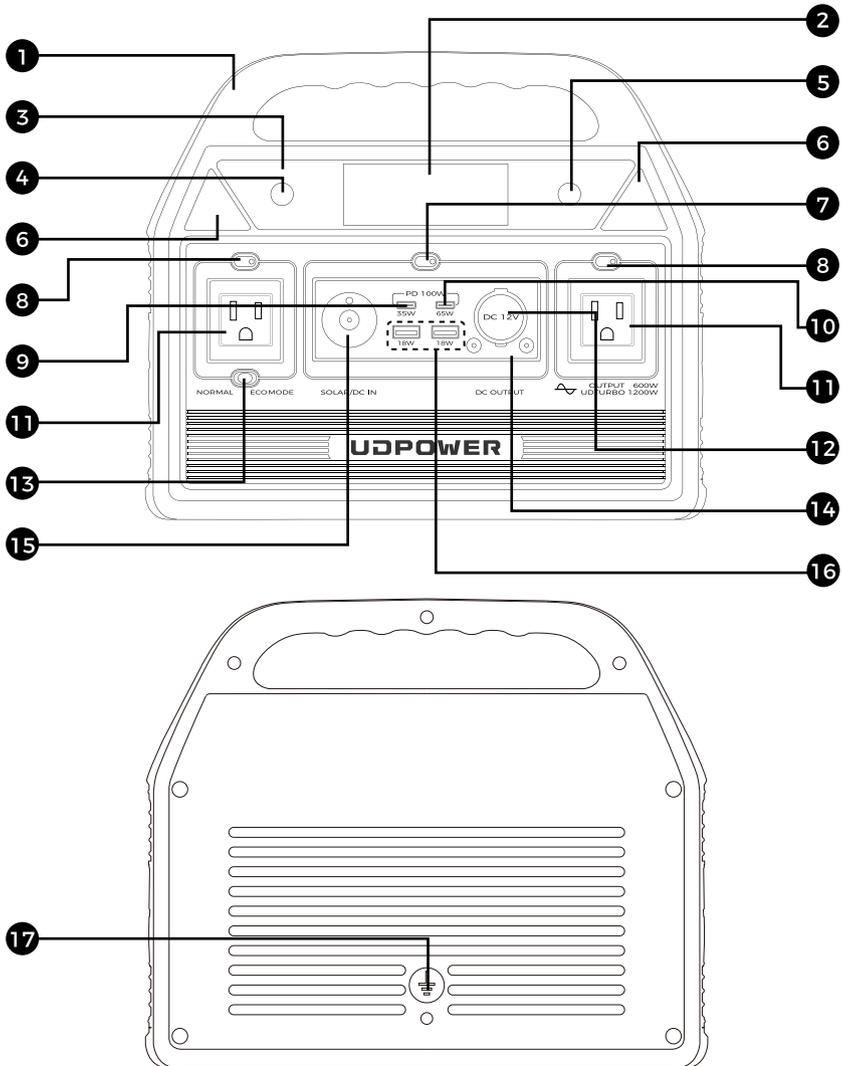
Care and Maintenance

Please refer to this manual to turn on the battery care mode when the product shows the battery intelligent care prompt, to ensure the battery health is in the best performance state.

· If storing the product for a long period, please store it in a dry environment, the recommended storage environment temperature is 32℉~104℉ (0℃ ~ 40℃).

· Please charge and discharge the product at least once every 3 months (discharging to 30%, charging to 60%) to ensure the health of the battery.

· Before storing the product, please check the remaining power, if prompted low battery please charge it first, to avoid battery damage caused by long time low battery storage, which will affect the service life.

· If the product has been left unused for a long period, the product will enter deep hibernation mode, when using it again, you need to charge the product to exit the hibernation mode.

Disposal Guide

· Whenever possible，please make sure to discharge the batteries of this product thoroughly before placing it in the designated battery recycling bin, please refer to and follow the local laws and regulations on recycling/waste batteries for relevant details. If the product itself is not fully discharged due to a fault, please contact UDPOWER's official after-sales service team or a professional battery recycling company for further processing.

Product Details   Overview

1 Handle
2 LCD Screen
3 Power Indicator
4 Main power Switch/
  Screen Switch
5 Light Switch
6 Light

7 DC Output Switch
8 AC Output Switch
9 35w-USB C Port
10 65w-USB C Port
11 AC Output Socket
12 12V Car Charger Outlet

13 Eco Mode Slide Switch
14 DC5521 Output Port (2pcs)
15 Charging Input Port /
  Solar Charging Port
16 18W-USB A Port
17 Ground Screw

Product Details LCD Screen
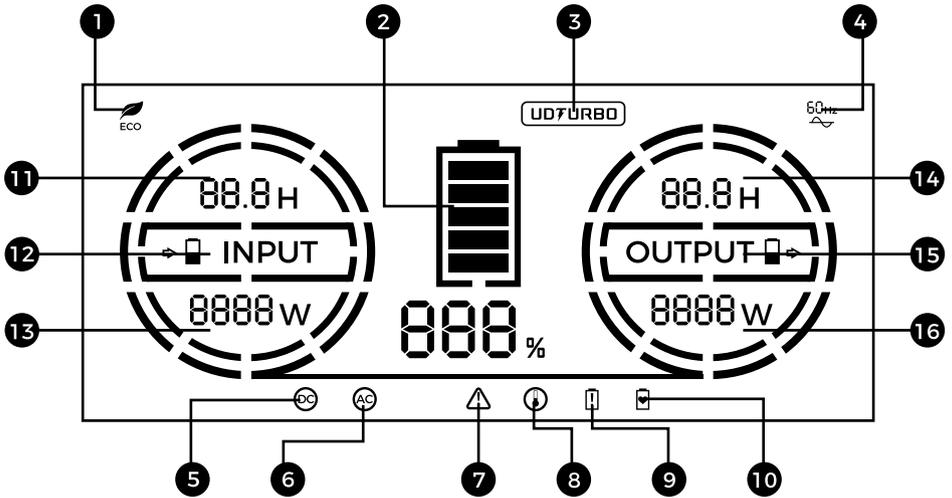
1 Eco mode Indicator	**9** Battery Fault Notice
2 Remaining Battery	**10** Battery maintenance
3 UDTURBO-Intelligent Power Boost	**11** Remaining Charge Time
4 AC Output Frequency	**12** Input Indicator⇨
5 DC Output	**13** Charge input power
6 AC Output	**14** Remaining Discharge Time
7 Warning	**15** Output Indicator⇨
8 Temperature Warning	**16** Output Power Rate

Getting Started   Power On/Off

Press the ⏻ main power button once to turn on the product, then the LCD screen lights up and the main power indicator becomes breathing white;

Press and hold the ⏻ main power button (3 seconds) to turn off the product, meanwhile, the LCD screen also goes off.

After the product is turned on, press the ⏻ main power button once to turn on/off the LCD screen.
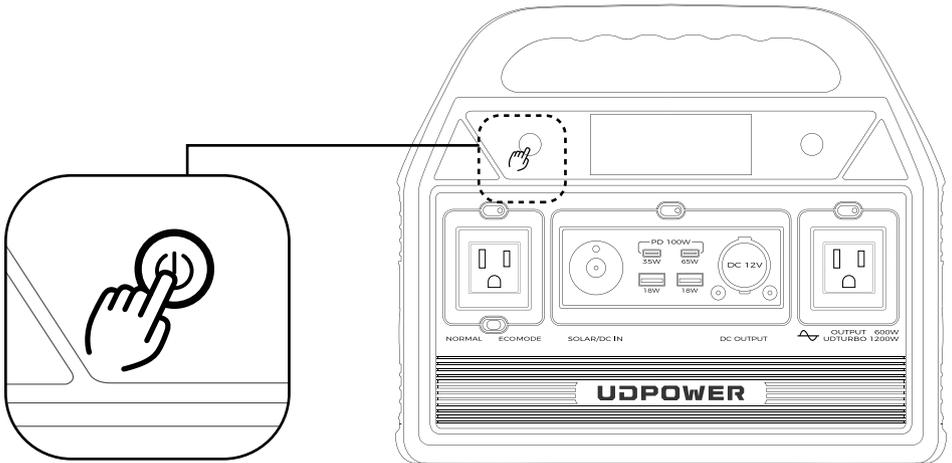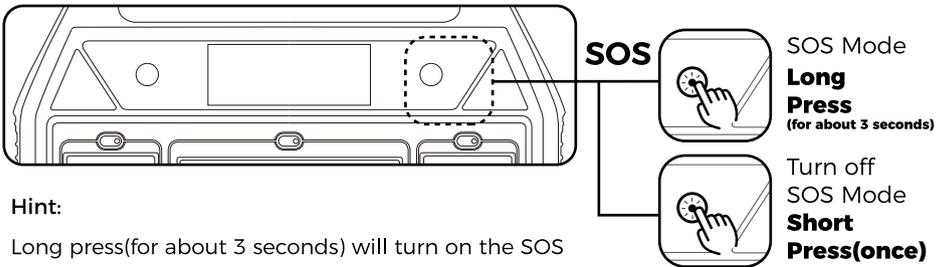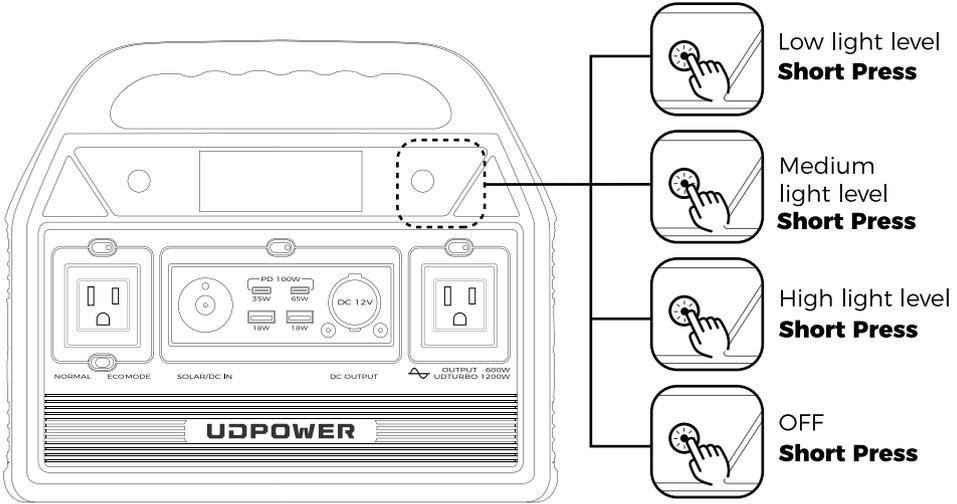

Notes:

· If the product is not used for 1 minute, it will enter a hibernation state with the LCD screen gone off, click any button to turn on the screen (ECOMODE Status will adjust to 30 seconds).

∗ After the product is turned on, the product will automatically shut down if there is no load and no operation for 10 hours.

Getting Started   Light Control

After the product is turned on, press the ⬡ button once to turn on the light, The default brightness is 30%, Click the ⬡ button again will change the brightness. （**30%** low light level→ **60%** medium light level→**100%** High light level→ **OFF**）

Low light level
Short Press

Medium light level
Short Press

High light level
Short Press

OFF
Short Press

SOS

SOS Mode
Long Press
(for about 3 seconds)

Turn off SOS Mode
Short Press(once)

Hint:
Long press(for about 3 seconds) will turn on the SOS Light, short press again will turn off the light.

07

Getting Started   Output

AC Output

After the product is turned on , press the "AC output switch" once to turn on their corresponding AC output sockets; Press again to turn them off.

·Press the button
 once to turn them on
·Press Again to turn
 them off

× 1
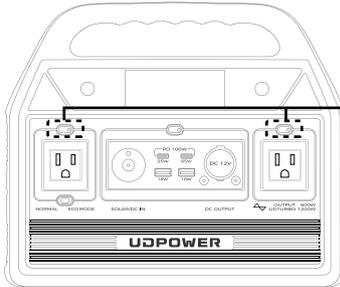
Notes:

· If you need to switch the AC output frequency, please press and hold the AC switch for 10s while the AC output is on, when the 60Hz goes out and lights up again, it means the switching is successful.

* ⚠ **Please check the rated frequency of the electrical equipment before use, incorrect frequency setting will affect or damage the electrical appliances. The default setting for U.S. specification products is 60Hz, which is the same as utility power.**

DC Output

After the product is turned on , press the "DC output switch" once to turn on car charging/ DC5521/USB-A/USB-C output port. Press again to turn them off.
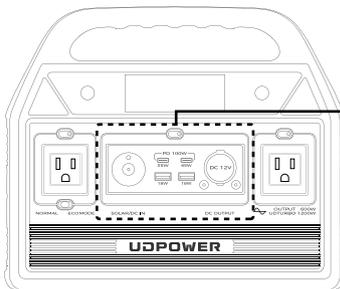
·Press the button
 once to turn them on
·Press Again to turn
 them off

× 1

* When the AC/DC output port is on, the system will intelligently shut down the output port if there is no operation without load for 5 hours.

Getting Started Charge C600

SAFETY WARNING:

· Please use the original UDPOWER charger and cable to ensure safety and efficiency during charging.
 During the charging process, please ensure that the surrounding area is well-ventilated, that no objects cover the sides of the product, and that the product is properly placed.

Notes:

· To avoid failure to start due to insufficient car battery, use the car charger after the vehicle is started. In addition, please make sure that the car charger cable is securely connected to the cigarette lighter.

Grid Charging

Using the original UDPOWER charger and cable, connect to the socket and connect to the DC IN charging port on the front of the product, the product will automatically enter the charging mode, the display will show the charging progress, and the smart charging mode will automatically turn on.

Adapter
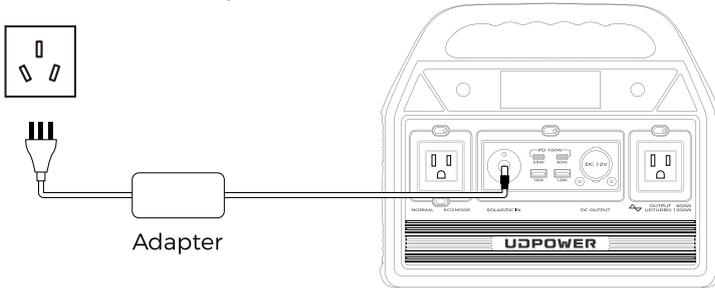
Car Charging

· Please use the original UDPOWER car charging cable to connect the car 12V/cigarette lighter port and connect it to the DC IN port on the front of C600, the display will show the charging progress.
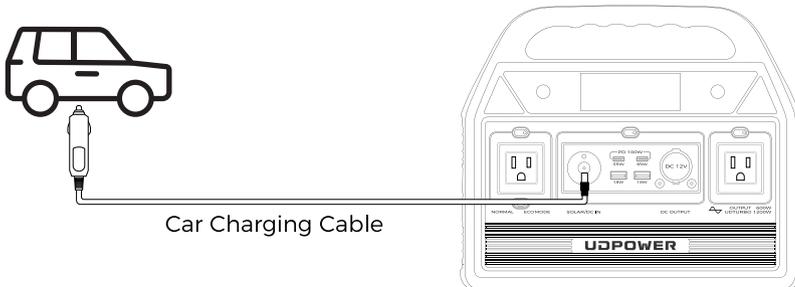
Car Charging Cable

Getting Started Solar Charging

· We recommend that you use the UDPOWER solar panel and the original XT60 →
DC7909 connection cable. Connect as shown in the diagram below.

Solar Charging Cable

Solar Input Port/DC IN

XT60Port
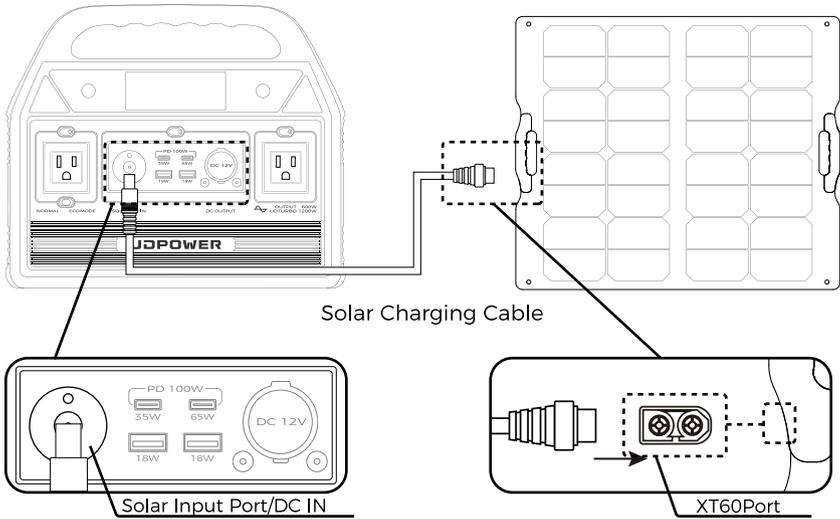
· The C600 supports up to 240W solar charging, and we recommend using the
UDPOWER solar fast charging kit, properly connected according to the diagram
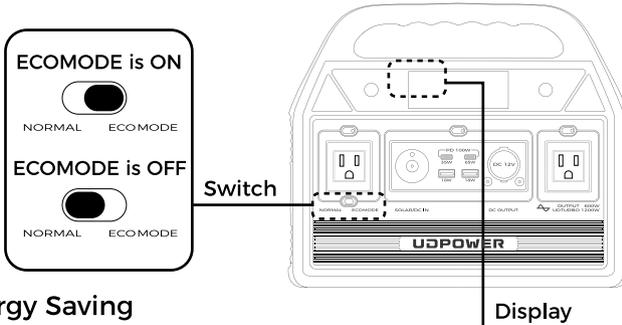below.

Solar Panel Expansion
Connection Cable

Solar Input Port/DC IN
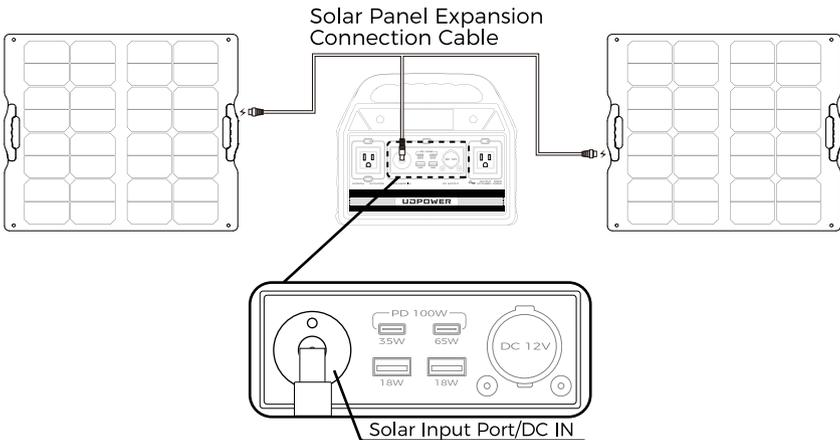
Notes：

* Please refer to the solar panel manual or the operation video on the official website
for the detailed steps of using the solar panel.
* If you have any problems, please contact our after sales team via email or the official
website after sales portal, and we will provide one-on-one guidance service.
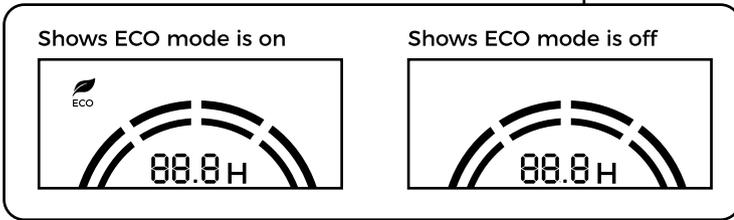
Getting Started ECOMODE-Energy Saving

After the product is turned on, slide the switch to ECOMODE, and the screen will light up " 🌿 ECO " that is to open the energy-saving mode, slide to the left will return to the normal mode.

ON OFF

ECOMODE is ON

NORMAL   ECOMODE

ECOMODE is OFF

NORMAL   ECOMODE

Switch

Display

ECO-Energy Saving

Shows ECO mode is on

🌿 ECO

88.8H

Shows ECO mode is off

88.8H

When ECOMODE is ON:
1. The time for the no-operation screen to go out will be reduced from 1 minute to 30 seconds.
2. When the AC/DC output port is turned on, it will intelligently shut down the output port if it is misused for 2 hours with no load. (5 hours for normal mode)
3. The management chip will intelligently allocate energy to ensure that the product's standby power consumption is reduced to extremely low levels.

Getting Started UDTURBO

The product supports UDTURBO. It can power a device rated at up to 1200W without incurring operation failure due to overload protection. When" UDTURBO "light up it means that UDTURBO has been turned on automatically.

UDTURBO

88.
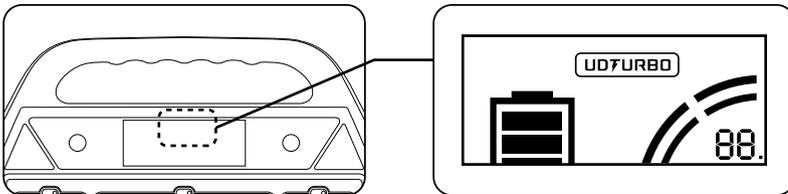
Notes：
· This feature is turned on by default, which will improve user experience and will not have any negative impact on the product. There is no need to turn it off.

FAQ

? **Q1:** **What is the maximum output power of the AC output port?**

! **A1:** With UDTURBO technology, this product can support a maximum power of twice the output power: 1200W. This feature is suitable for 99% of the electrical devices on the market. In a few special cases where the output port is not compatible with the power-using device, the product will intelligently control the output.

? **Q2:** **Can the product be charged and discharged at the same time?**

! **A2:** Yes, this product supports charging and discharging at the same time, and supports charging and defending in the case of solar charging to support different usage scenarios.

? **Q3:** **Can the product power a CPAP?**

! **A3:** Yes, but please pay attention to the remaining power and the remaining usage time before use.

? **Q4:** **Does the product lose power when I forget to turn it off?**

! **A4:** If you forget to turn off the product, the product will be intelligently turned off after 10 hours of no operation. This product is equipped with an intelligent BMS with 0 power loss, and the exclusive intelligent BMS technology supports ultra-low power standby.

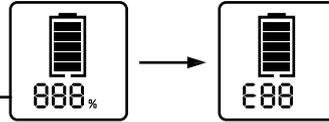**?** **Q5:** **Does the product make noise during use?**

! **A5:** This product has passed the air flow test and is equipped with an ultra-quiet fan, which produces very little noise, lower than that of general household appliances, and can ensure powerful performance output while being quiet.

UDPOWER

Troubleshooting
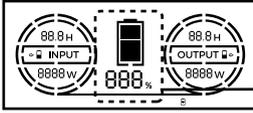
*indicator area   *indicator display changes

AC Output Overload

EO1

Display

AC ⚠ flashing

Solution

Disconnect overloading devices and restart the product to resume normal operation. The sum power of loaded electrical appliances must not exceed the rated power. (for the power limit of electrical appliances in UDTURBO, please refer page11)

DC Output Overload

EO2

Display

DC ⚠ flashing

Solution

Disconnect overloading devices and restart the product to resume normal operation.

Intelligent Protection

EO3

Display

🌡 flashing

Solution

Ensure that the air inlet and outlet of the product are unobstructed. RESTART the product to resume normal operation after the temperature decreases.

Low Temperature Alert

EO4

Display

🌡 flashing

Solution

RESTART the product to resume normal operation after the product warms up.

Troubleshooting

Charging Overload

E05

Display

⚠ flashing

Solution

Remove the charging cable and normal operation will resume automatically after restart.

Under Voltage

E06

Display

⚠ flashing

Solution

The battery voltage is too low for normal operation, please connect the charger for the product and be patient.

Battery Fault

E07

Display

⚠ ⚠ flashing

Solution

Please press and hold the power button to restart the device. If the problem is still not solved, please contact the after-sales team for overhaul.
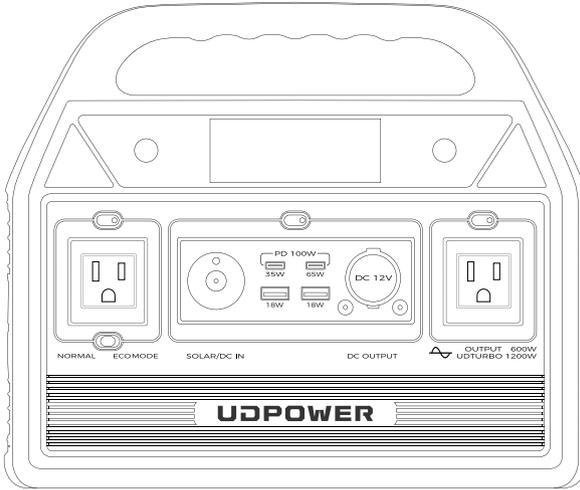
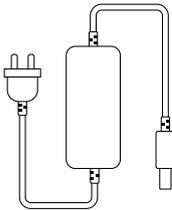## System Communication Failure

E08

Display

⚠ flashing

Solution

Please press and hold the power button to restart the device. If the problem is still not solved, please contact the after-sales team for overhaul.
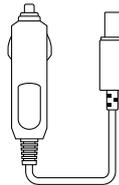
WHAT'S IN THE BOX

C600

Original Charger

Car Charging Cable

User Guide

Product Details

About Warranty

The warranty applies to original products and accessories purchased from UDPOWER official stores and distributors. UDPOWER will strive to ensure the user experience and ensure that material and process defects do not occur. Please refer to the official user manual, technical specifications and other published product guides and materials to use the official products and accessories. If the product fails, we will provide after-sales service for qualified products and accessories during the warranty period. If the product encounters any use problems during the warranty period, You can contact our after-sales team at support@udpwr.com or the after-sales section of the official website.

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· This manual is subject to change without prior notice.
· You can check the latest version at UDPOWER's official website.
· If you have any questions or suggestions about the instructions, please contact
  us through the following contact information.

◎ **UDPOWER Inc.**

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✉ support@udpwr.com   🖥 www.udpwr.com