

 Gendome



Go 300

Portable Power Station | User Manual



Disclaimer

Before using this product, please read the User Manual to ensure correct use after fully understanding it. After reading the User Manual, please keep it in a safe place for future reference. If the product is not operated correctly, you may cause serious injury to yourself or others, or lead to product damage and property loss. By using this product, you are deemed to have understood, acknowledged, and accepted all the terms and contents of this document. Gendome is not liable for any losses incurred due to the user's failure to use the product in accordance with the User Manual.

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1. Specifications

1.1 Basic parameters

Product Name	Portable Power Station Go 300
Model	Go 300
Net weight	8.38lbs (3.8kg)
Dimensions (L*W*H)	11*10.2*8.39 inch (280*260*213mm)
Capacity	288Wh (15Ah / 19.2V)
Wi-Fi (2.4G&5G)	Frequency range: 2400~2483.5MHz & 5180~5825MHz
Bluetooth	Frequency range: 2400~2483.5MHz

1.2 Input specifications

Solar panel charging input	12~30V $\equiv$ 10A, 200W Max
USB-C charging input	5V/9V/12V/15V $\equiv$ 3A, 20V/28V $\equiv$ 5A, 140W Max

1.3 Output specifications

USB-C output x 2	5V/9V/12V/15V $\equiv$ 3A, 20V/28V $\equiv$ 5A, 140W Max per channel
USB-A output x 2	5V $\equiv$ 3A, 9V $\equiv$ 2A, 12V $\equiv$ 1.5A, 18W Max per channel
Wireless charging	5W/7.5W/10W/15W, 15W Max
LED power waste	1W Max
DC output	12~16V $\equiv$ 10A, 160W Max The port same with Solar port, you can use App to change the input or output mode
AC output	Pure sine wave, total 300W (peak 600W), 120Vac~60Hz

1.4 Battery specifications

Battery cell material	LFP (Lithium Iron Phosphate)
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1.5 Operating temperature

Optimal operating ambient temperature	68°F~86°F(20°C~30°C)
Discharging ambient temperature	14°F~113°F(-10°C~45°C)
Charging ambient temperature	32°F~113°F(0°C~45°C)
Storage ambient temperature	68°F~86°F(20°C~30°C)

2. Safety instructions

2.1 Use

1. It is strictly forbidden to use this product near heat sources (such as open flames or heating furnaces).
2. When using this product, please strictly adhere to the operating temperature environment as specified in this user manual. Excessive temperature may cause the battery to catch fire, or even explode. If the temperature is too low, the product's performance will significantly decrease, and it may even fail to meet the requirements for normal use.
3. In the event of an accidental fire involving the product, please use the following recommended order for fire-extinguishing materials: water or water mist, sand, fire blanket, dry powder, and carbon dioxide fire extinguisher.
4. Strictly prohibit the product from coming into contact with any liquids. Do not get this product wet, and try to avoid using it in the rain or in humid environments.
5. When in humid environments (such as the seaside, swimming pools, etc.), it is recommended to use a moisture proof bag.
6. If the product gets water inside or accidentally falls into water, immediately stop using it and power it off, and place it in a safe, open area. Do not approach the product before it is dry. Take precautions against electric shock when touching it. Do not use or dispose of the product arbitrarily after it has dried. Please handle it properly after contacting customer service.
7. If the product's ports are dirty, please clean them with a piece of dry cloth.
8. Do not use the product in environments with strong static electricity or strong magnetic fields.
9. Do not place heavy objects on the product.
10. Please store the product in a dry and ventilated space.
11. Please keep the product out of reach of children and pets.
12. Do not place the battery in an environment with extremely low air pressure, as it may cause explosions or leaks of flammable liquids or gases.
13. Do not disassemble or puncture the product with sharp objects in any way.
14. Do not cover or block the fan during use.
15. Avoid touching the product ports with wires or other metal objects to prevent short-circuiting.
16. When using or transporting the product, please avoid impacts, drops, and severe vibrations. If the product is subject to severe external forces, immediately stop using it and power it off.
17. Do not use non-genuine parts or accessories to avoid voiding the warranty. For replacements, please inquire about purchasing information through Gendome's official sales channels.
18. This product is not recommended for use as a power supply for medical emergency devices related to personal safety, including but not limited to hospital version CPAP (Continuous Positive Airway Pressure) machines, ECMO (Extracorporeal Membrane Oxygenation) machines, etc. Home version CPAP machines can use this product normally and generally do not require continuous professional monitoring. When using the product, please follow medical advice and consult the manufacturer for restrictions on using related machines. If this product is used for general medical devices, be sure to monitor its battery level to ensure that the battery is not depleted.
19. Power supply products inevitably generate electromagnetic fields during use, which may affect the normal functioning of implanted medical devices or personal medical equipment, such as pacemakers, implanted cochlear implants, hearing aids, defibrillators, etc. If such medical devices are used, please consult the manufacturers for the restrictions on using the related devices to ensure that this product maintains a sufficient safety distance from implanted medical devices (such as pacemakers, implanted cochlear implants, hearing aids, defibrillators, etc.) when operating.

20. When the product is connected to a refrigerator load for power supply in normal mode, the power may automatically be off due to the power fluctuation characteristics of the refrigerator. If the refrigerator contains medications, vaccines, or other high-value items, it is recommended to set its output to "Always On" status via the APP before connecting to the product, in order to ensure continuous power supply. Users shall pay attention to the battery level the product.
21. If long-term storage is required, please discharge and recharge this product once every 3 months (first discharge to 0% and then charge to 60% for long-term storage). Products that have not been charged or discharged for over 6 months will not be covered under warranty.

2.2 Disposal

1. If conditions permit, please ensure to completely discharge the battery of this product before placing it in the designated battery recycling bin. This product contains a battery, which is a hazardous chemical. It is strictly prohibited to dispose of it in regular trash bins. For relevant details, please follow the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged due to a fault of the product itself, do not dispose of the battery directly into the battery recycling bin. Instead, contact a professional battery recycling company for further treatment.
3. The over-discharge battery will fail to be started, and please dispose of it as waste.

2.3 FCC

FCC ID:2A9IU-GO300

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your product. Changes or Modifications not expressly by the party responsible for compliance could void the user's authority to operate the equipment.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm between the radiator and your body: Use only the supplied antenna.

3. Download APP



Scan the QR code can download the Gendome App.

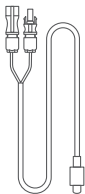


Scan the QR code can preveiw or download the Go 300 user Manual.

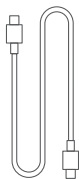
4. Packing list



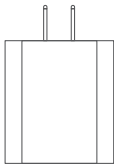
Go 300



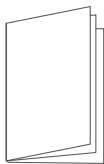
Solar charging cable



USB-C cable

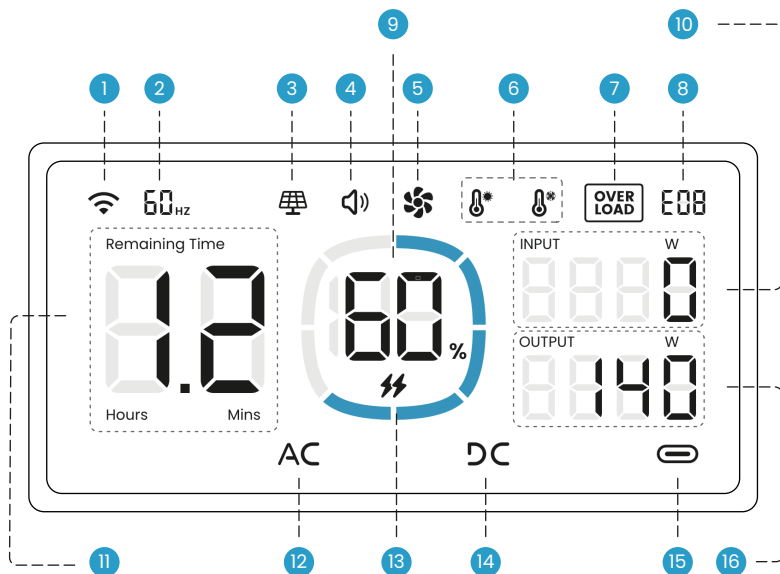


65W charger



User Manual

5.2 Display screen



No.	Name	Icon	Function description
1	Wifi		Refers to the networking status of the device. When the icon display, it means the networking is successful. Flashing icon indicates that the networking is in progress. The icon does not display, it means not connected to the network and not in networking progress.
2	Output Frequency		Refers to the output frequency of the power grid. When icon display, it means that the AC switch is turned on, when icon not display, it means that the AC switch is turned off.
3	Solar Input		Refers to the input state of photovoltaics. When icon display, indicating that the solar input has been connected. When not display, indicating that the solar input is not connected.
4	Buzzer		The icon display, indicating that the buzzer has been turned on. When not display, indicating the buzzer has been turned off (can be turned on or off in the Gendome App).
5	Fans		Refers to the working status of the fan. When it is constantly on and rotating, it means that the fan has started to dissipate heat. If not display, it means that the fan has not started.

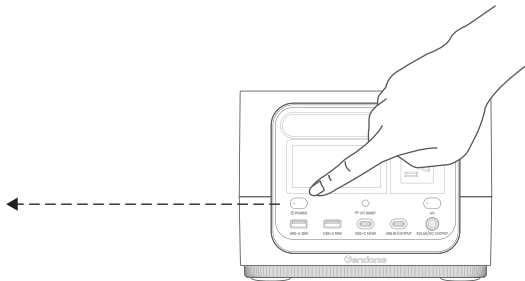
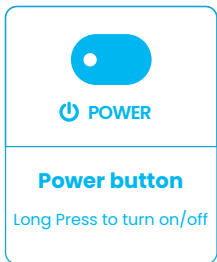
No.	Name	Icon	Function description
6	Temperature Warning	 *  *	Refers to the battery temperature of the device. When it is bright blue, it represents that the battery temperature is too low; When it is bright red, it indicates that the battery temperature is too high; if not display, represents the battery temperature is normal.
7	Overload Mark		When display, it means output overload, when not display, it means output is normal.
8	Fault Code		When icon display, indicating happening a fault. When icon not display, indicating no fault. Please refer to the fault codes explanation in this user manual for the definition of fault codes.
9	SOC	—	Refers the remaining battery level and power cycle, power expressed as a percentage value, it will automatically shut down when it displays 0%, and when it reaches 100%, it will stop charging (this percentage value can be set in the app). The power cycle has 8 small loops, each small loops means 12.5% of the total power.
10	Input Power	—	Display the input power value of the device, accurate to 1W.
11	Remaining Time	—	When charging, it represents how long is needed to fully charge; When discharging, it represents how long it takes to discharge electricity. When not charging or discharging, the value is 0.
12	AC ON/OFF		Display, indicating that the AC output switch is turned on; Not display, indicating that the AC output switch has been turned off.
13	Fast Charging Mark	 	When charging, display one lightning mark, indicating that the input power is within 140W; When two lightning marks are displayed, it means fast charging, input power more than 140W. If not charging, No display lightning mark.
14	DC ON/OFF		Display, indicating the DC output switch is turned on, and both USB-A and USB-C and wireless charger can be used normally. Not display, indicating the DC output has been turned off, and USB-A and USB-C and wireless charger can't output.
15	USB-C		Display, indicating that USB-C is in use; Not display, indicating that USB-C is not in use.
16	Output Power	—	Display the output power value of the device, accurate to 1W.

6. Power on/off

Long press the power button (for about 3 s) to turn on the product; then the LCD screen is on and the power indicator light enters a breathing mode. Long press the power button (for about 3 s) until the screen is off, and then release the button to turn off the product.

After the product is turned on, a short press of power button can turn off the LCD screen.

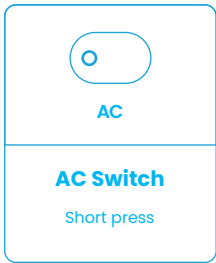
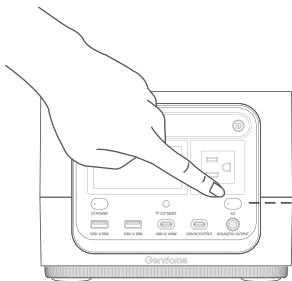
If there is no operation on the product within 5 min, the product will enter sleep mode and the screen will automatically be off.



When Go 300 is being charged, it cannot be turned off by long pressing the power button. It can be turned off once the charging cable is unplugged.

7. Discharge

When the product is powered on, the USB-A and USB-C output ports can be used. Short press the "AC output switch" to enable the AC output port. Short press the switch again to disable the AC output port.

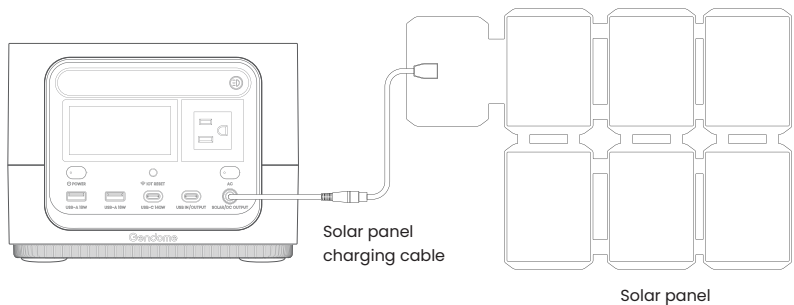


When using the AC output port, please ensure that the total power of the connected appliances is less than the rated power.

8. Charge

8.1 Solar charge

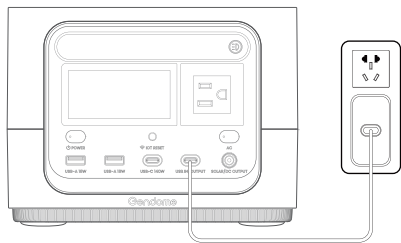
The USB-C port shown in the figure can support up to 200W of solar panel input.
Do not use solar panels exceeding 200W to avoid damage to the equipment.



- 1. If solar charging is required, please purchase a solar panel separately.
- 2. When using a Gendome solar panel to charge this product, please connect them according to the specifications in the User Manual.
- 3. Before connecting a solar panel, please ensure that its output voltage is within 30V to avoid damaging this product.

8.2 USB-C charge

Full charging after about 2-3 hours at 140W.



It is recommended to use the original USB-C cable of the product.

9. FQA

1. What type of battery does the product use?

This product uses automotive-grade lithium iron phosphate battery.

2. What devices can the product's AC output port support?

The AC output port of this product has a rated power of 300W and a peak power of 600W. The product features constant power output and can supply power to the devices not exceeding 600W. Before use, it is advised to confirm the power rating of your device and ensure that the total power of all connected devices is less than the rated power.

3. How can I know how long the product can supply power?

The product's LCD screen displays the remaining time, which can be used to estimate the duration for devices with stable power consumption.

4. How can I tell if the product is charging?

During charging, the LCD screen will show the remaining charge time, the battery level percentage, and the input power, while the charge indicator circle outside the battery level percentage will start to cycle.

5. Can this product be taken on an airplane?

No.

10. Maintenance

1. Ensure that the device is properly dustproof before long term storage.
2. Ensure that the ambient temperature is around 77°F(25°C) and do not store in a damp environment.
3. Keep the device upright, don't tilt or invert, and try to avoid heavy objects pressing on the equipment.
4. Ensure the device is stored away from flammable, explosive, corrosive, and other dangerous goods.
5. If long-term storage is required, please discharge and recharge the product every 3 months (discharge to 0% and then charge to 60% for long-term storage). Products that have not been charged or discharged for over 6 months will not be covered under warranty.
6. If the product's battery is severely depleted and has not been used for a long time, the product will enter a deep sleep mode. Before using the product again, be sure to charge it first.

11. Fault codes

Fault code	Fault name	Solution
E01	Overvoltage protection	Overvoltage protection is activated (E01) Please remove the charging/charged device.
E02	Undervoltage protection	Undervoltage protection is activated (E02) Battery level is low. Please charge the product promptly.
E03	Over-temperature protection	Over-temperature protection is activated (E03) Internal temperature is high. Please wait for cooling down before use.
E04	Low temperature protection	Low temperature protection is activated (E04) Internal temperature is low. Please wait for heating up before use.
E05	Overcurrent protection	Overcurrent protection is activated (E05) Please remove charging/charged device.
E06	BMS fault	System fault (E06) Product will be turned off automatically in 10 s. Please contact customer service.
E07	Inverter fault	System fault (E07) Product will be turned off automatically in 10 s. Please contact customer service.
E08	Inverter over-temperature protection	Over-temperature protection is activated (E08) Please wait for cooling down before use.
E09	Communication output overload	Over-discharge protection is activated (E09) Please reduce the power of the charged device and turn on the AC output switch again.
E10	Charging overload	Overcharge protection is activated (E10) Please reduce the number of charged devices and restart. If the problem persists, contact after-sales service.
E11	Abnormal output voltage	System fault (E11) Product will be turned off automatically in 10 s. Please contact customer service.
E14	Internal short circuit	System fault (E14) Product will be turned off automatically in 10 s. Please contact customer service.
E15	Other faults	System protection is activated (E15) Please power off and restart. If the problem persists, contact after-sales service.



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