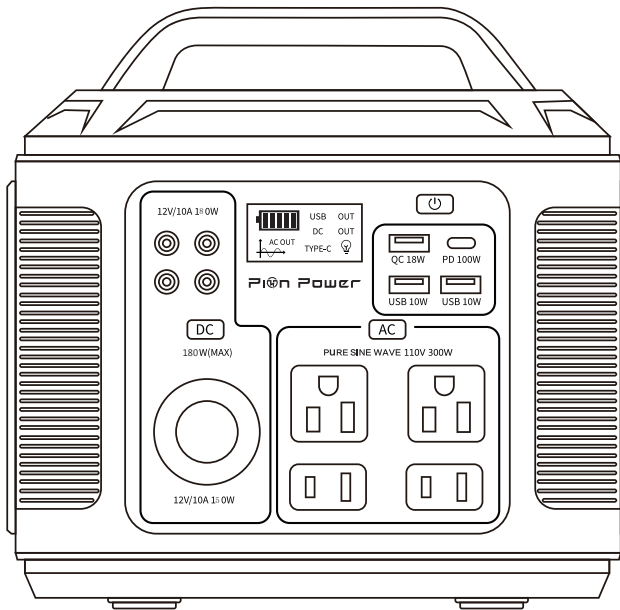


Portable Power Station

User Manual



Model:P302

To customers who purchase this product

Thank you for purchasing our products. Before attempting to use the product for the first time, please read and follow the instructions carefully so as to operate the product correctly.

On Safety

Please comply with this regulation so as not to cause personal injury or product damage.

Tips: After reading, please keep it at a place where users can see at any time.

Warning

1. This product is only used in the North America and please do not use it outside of the North America. Using it at the voltage that is not compliant to the specified one may result in accidents, injuries or malfunction.
2. Do not cover the product with cloth or bedding while charging. Failure to do so may result in overheating, fire or damage.
3. Do not get it soaked in water, splash water on it, or do not expose to moisture. Otherwise, it may cause fire, shock hazard or malfunction.
4. Do not use it near flammable materials since it may cause a fire.
5. Do not disassemble or modify this product. Failure to do so may lead to fire, shock hazard or malfunction.
6. Be careful of overloading. Please check the rated value of electrical equipment and ensure that it does not exceed the rating of AC cable. Otherwise, it may cause overheating, fire, shock hazard, personal injury or damage.
7. Do not use it together with the following equipment:
 - All medical equipment, especially the one that is being functioning and may threatens life;
 - Equipment that is extremely important to society and public;
 - Important commercial equipment, etc.

The above three items are concerned with the installation of reference equipment, and special attention should be paid to system diversification as well as placement, transportation, maintenance, and management of power generating equipment. The company shall not be liable for the above damages incurred during use.

Caution

1. Do not insert, remove or operate various power cords with wet hands, which may cause shock hazard.
2. Be careful not to expose children or toddlers to the product. Failure to do so may result in accidents, injuries or malfunction.
3. Do not damage, bend or modify the wires of the product forcibly. If the power cord is damaged, stop using it immediately or it may cause fire or shock hazard.
4. Do not insert foreign objects such as pieces of metal, pins, wires, or flammable materials through the holes or slot of the product, all of which may cause fire, shock hazard or malfunction.
5. Do not place flammable or heat-deformable objects on or near the product as it may cause fire or personal injury.
6. If you encounter any abnormal conditions during use, such as unstable operation, smoking or strange smell, please stop using it immediately and contact us by email at any time.
7. Do not strike or throw down the product firmly as it may cause fire or malfunction.

8. Avoid using and storing in the following places. Failure to do so may result in overheating, fire, electricity leakage, malfunction, etc.

- Extremely humid places
- Damp places that are exposed to rainy or snowy days
- Places where things may drop down
- Places with excessive high temperature
- Places with strong vibration
- Places subject to salt, dust and chemical gases
- Places that is surrounded by combustible materials such as bits of wood, cloth and towels
- Places under heavy objects
- Hermetic places

Precautions

1. Be sure to unplug all power cords when the product is not in use as it may cause a fire or shock hazard.
2. When connecting other devices to this product, please carefully read the operating instructions of each equipment, turn off the power, and then connect them in accordance with the instructions. Incorrect connection or use of an unspecified power cord may cause fire or shock hazard.
3. To clean it, be sure to disconnect all the power cables.
4. In order to reduce damage and maintain product lifespan, even if the product is not in use, it should be checked once a month, and discharged and charged every three months.
5. Charge it in the ambient temperature range of 32°F - 104 °F. Other temperatures can reduce battery performance and lifespan, and may lead to liquid leakage, fire and explosion.
6. If the indicators show that charging is still incomplete even though it obviously exceeds the specified charging time, please stop charging immediately. Otherwise, it may cause overheating, fire, shock hazard, personal injury or damage.
7. This product is not applicable to equipment with a rated power consumption of 300 W or greater and a peak power consumption of 500 W or greater.
8. On inspections

Before using it, please check if the product has the following problems.

- Is the rechargeable power adapter or rechargeable power cord damaged?
- Are there any damaged parts on the body, such as cracks or dents?
- Is the battery fluid leaking from the inside of the product?

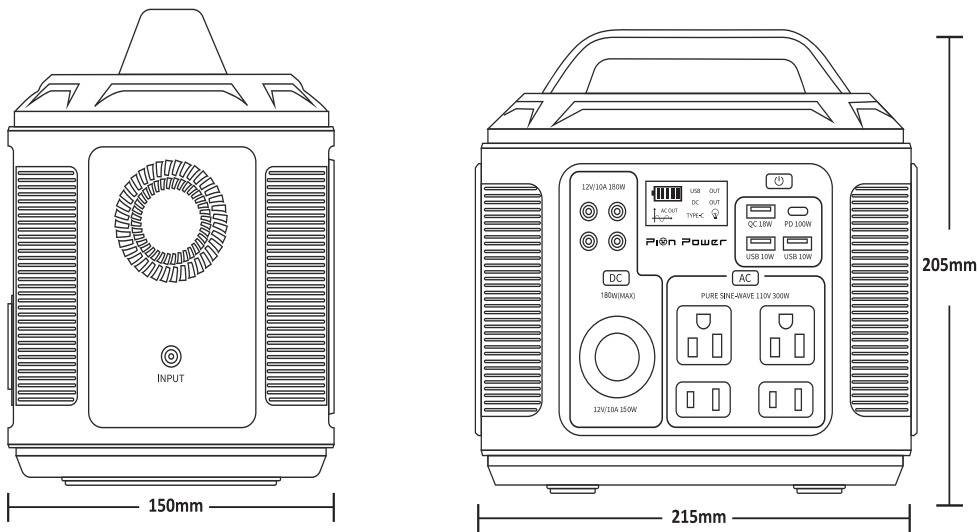
Disclaimer

1. The company shall not be responsible for any losses caused by any force majeure factors, such as fires, earthquakes, storms and floods, lightning stroke, other natural disasters, pollution as well as malfunctions or damages caused by abnormal voltages or other external factors.
2. The company shall not be responsible for any losses caused by not complying with the instructions described in this manual.
3. The company shall not be responsible for any losses (including interruption of service, loss of profit, etc.) caused by using this product, using it with other connected equipment or being unable to use this product.

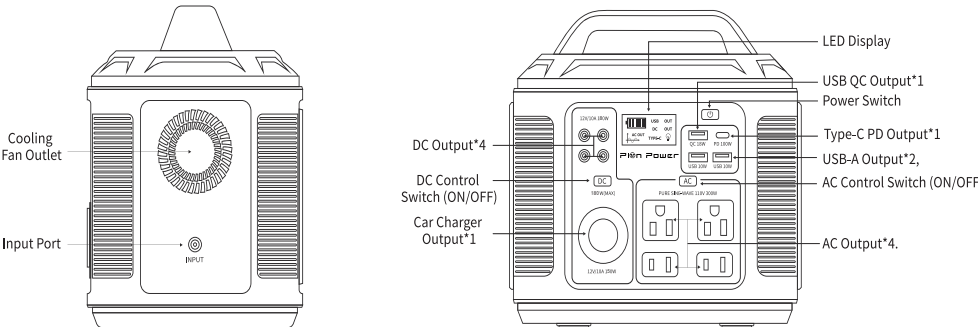
Main Features

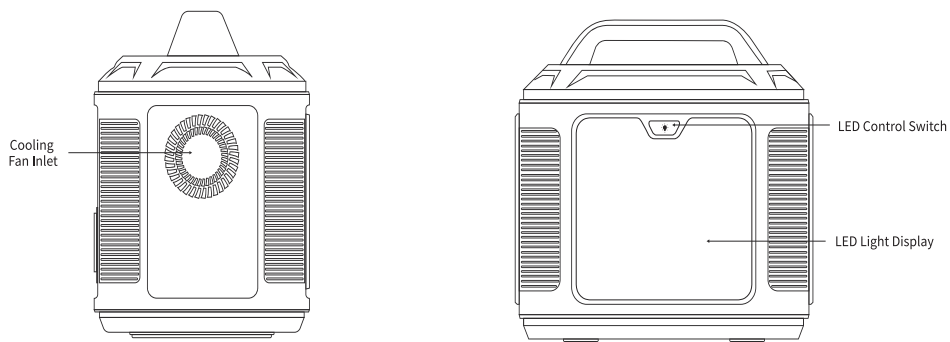
- Equipped with lithium battery, the whole product is compact and portable.
- Battery capacity is 80,000mAh (296Wh), which enables an AC output of 300W.
- It has multiple output ports: AC110V*4, DC*4, USB*4, cigarette lighter port*1.
- The USB output is equipped with QC3.0 port
- It has one input port: DC*1 input port
- The host can be fast-charged through AC 110V socket, solar panel, in-car charger and DC output port.

Product Size

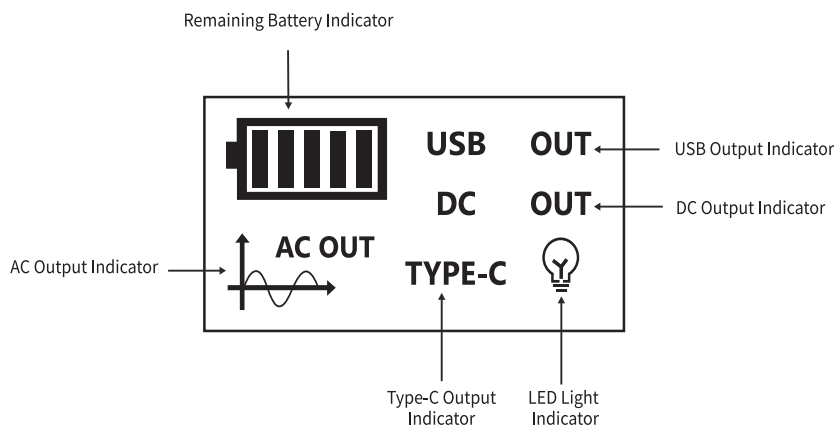


Product Parameters





LCD Display

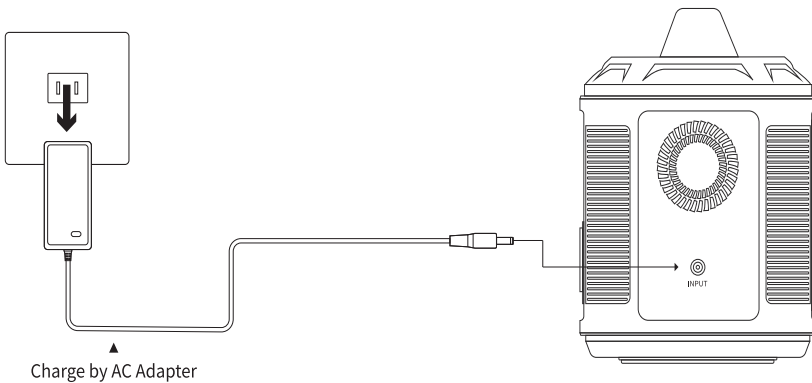


How to charge this product?

You can fast-charge this product using the supplied AC adapter or in-car charger as well as a separately sold solar panel.

• Charge with the supplied AC adapter

1. Plug the connector of the supplied AC adapter into the charging jack.
2. Insert the plug of the rechargeable power adapter into the 110V power outlet.
3. As soon as charging starts, the LCD screen will automatically illuminate.
4. While charging, the battery icon on the screen will flash.
5. When the device is fully charged and stops charging automatically, the battery gauge will illuminate (no longer flashing) and then user should disconnect the charger from the device and the power outlet.



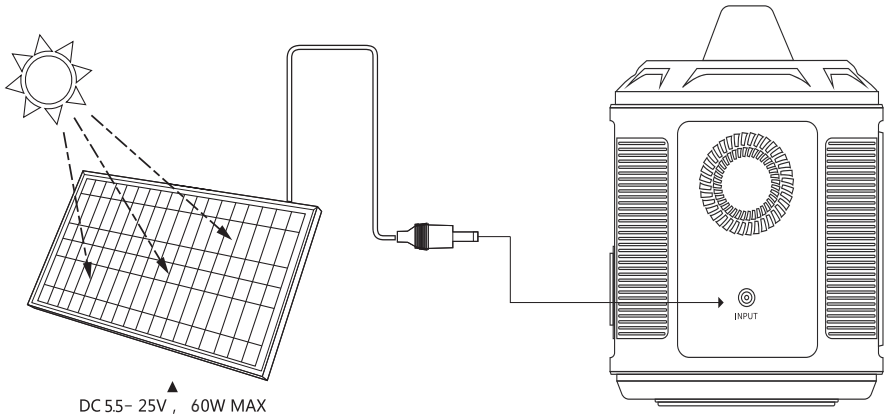
Caution

- Be sure to use the supplied adapter to charge the product.
- If the dedicated adapter is damaged, please do not use it.
- The dedicated adapter may become hot during charging, though this is not a malfunction.
- Do not use it for a long time in a hot place.
- If the adapter gets hot, do not touch it as it may get users burned by high temperature.

Notes:

- When charging, the cooling fan rotates in accordance with the input power to prevent the inside of the main unit from heating up.
- When charging this product, it may charge slowly when the icon of battery is getting close to 100 percent until it is fully charged. This is because this product monitors the internal battery status during charging process and controls the charging power to protect the battery (to prevent overcharging) when it is nearly fully charged.
- Be sure to completely insert the power plug, and unplug the power plug after fully charged, otherwise there will be a risk of generating heat, component damage and electric shock.

• Charge with solar panels



1. Plug the output port of the solar panel (sold separately) into the charging jack.
2. Unfold all solar panels and assemble them so that the entire solar panels are exposed to sunlight.
3. As soon as charging starts, the LCD display will illuminate.
4. While charging, the battery icon on the screen will flash.
5. When the device is fully charged and stops charging automatically, the battery gauge will illuminate (no longer flashing) and then user should disconnect the charger from the device.

Caution

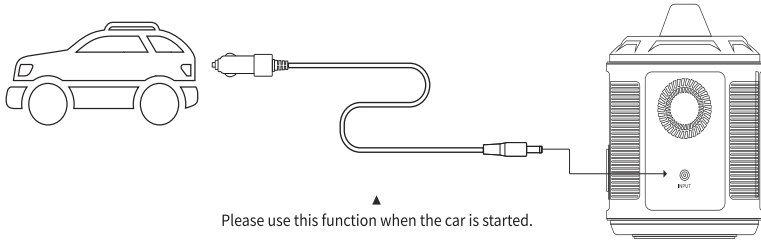
When using solar panels, please pay attention to the following:

- Make sure that the entire panel is unfolded and exposed it to direct sunlight.
- If the panel surface is partially shaded, or there is dirt or stain on the surface, the charging efficiency will decrease and the charging will stop in some cases.
- The charging efficiency can be greatly affected by the environmental conditions such as weather and installation angle.
- Handle with care to avoid excessive bending or collision as this may damage the product.
- Do not touch the end of the cable with bare hands in case of shock hazard.
- The temperature for the optimal charging efficiency is around 68 °F - 86 °F.
- If the temperature is too high in the scorching sun of midsummer or too cold in the freezing midwinter, the charging efficiency may decrease.

Reference:

- It takes about 5 to 10 hours to charge with solar panels (60W) from the state of power depletion to being fully charged. However, this is a reference for charging time under ideal conditions.
- The DC input unit of this product has an overcurrent protection function. When the input voltage is 12-25V, the input current is 4A MAX; when the input voltage is above 12V and 25V or below, the input current is 4A MAX; when the input voltage is 26V or higher, the over-voltage protection (OVP) function will automatically switch off the power input and stop charging, when the power is up to 60W.

• Charge with the in-car charger



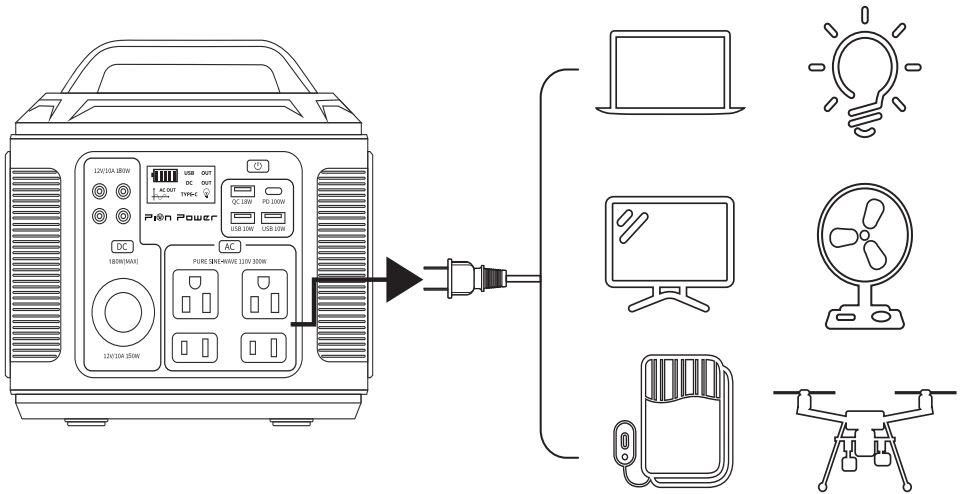
1. Plug the output terminal of the in- car charger into the charging jack.
2. Connect the car charging plug to the in-car charging socket of vehicle.
3. As soon as charging starts, the LCD display illuminate.
4. While charging, the battery icon on the screen will flash.
5. When the device is fully charged and stops charging automatically, the battery gauge will illuminate (no longer flashing) and then user should disconnect the charger from the device.

Caution

- This product is applicable to vehicles equipped with 12V accessory sockets and may not work on some models.
- This product cannot be used for vehicles with 24V accessory socket.
- If the battery voltage of vehicles is low, the charger may detect a low voltage abnormality and may not be able to charge.
- Be sure to connect this product to the in-car power supply to charge after the car starts and stabilizes; NEVER start the car AFTER connecting this product to the in-car charging port, or it may break down the MCU of this product.

How to use the power station?

●AC Output



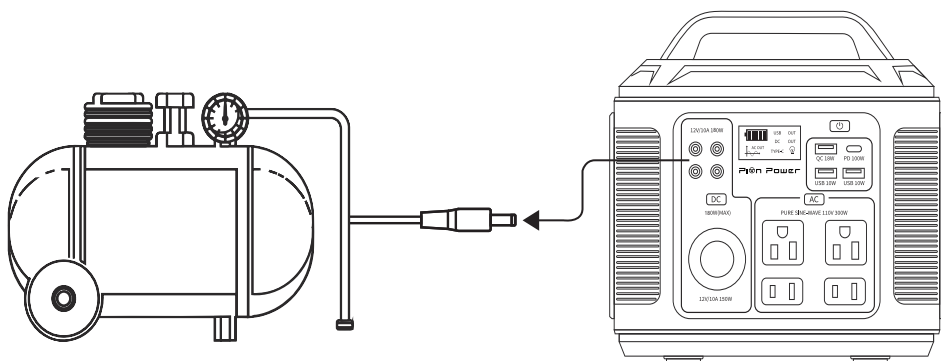
1. Press and hold the main power switch for 3 seconds to start the host machine.
2. Check the remaining battery level by a battery charge gauge. If the battery is low, charge it first.
3. Press and hold the AC output switch to turn on the AC output mode. While the device is outputting power, the AC output mode is displayed on the LCD.

4. Connect the plug of the electrical device to the AC power outlet.
5. When not in use, please unplug the electrical equipment from the AC power outlet and press and hold the AC switch for 3 seconds, then turn off the AC power switch.

Caution

- The maximum AC output of applicable electrical equipment should not be more than 300W. Even if the total power of electrical equipment is equal to or less than 300W, they may not work because the actual output current depends on the conditions of electrical equipment in use, which sometimes will be excessive.
- Even if some electrical appliances are specified with a rated output of 300W, their actual output power may exceed 300W.
- This device cannot charge other electrical equipment when it detects an overload or short circuit, and you need to press and hold the AC output switch to turn on the power.
- The output power frequency of this product is 60Hz and cannot be switched to 50Hz. Before connecting, please make sure that the power frequency of the electrical equipment to be connected is compatible with 60 Hz. If the connected equipment does not support the 60Hz power frequency, it may malfunction.
- Products with a variable-speed motor may not rotate stably when using the power supply from this device.
- Press and hold the main power switch to start the host machine, and the following situation will happen: (1) If no operation is performed for 10 seconds in the AC off mode, the display screen will automatically turn off. If no operation is performed within 30 seconds, the power will automatically turn off. (2) No operation is performed in AC power-on mode, but there is AC output (low-power consumption). The display screen still shows the remaining battery gauge as usual. To reduce power consumption, please press and hold the AC switch for at least 1 second to turn it off.

• DC Output

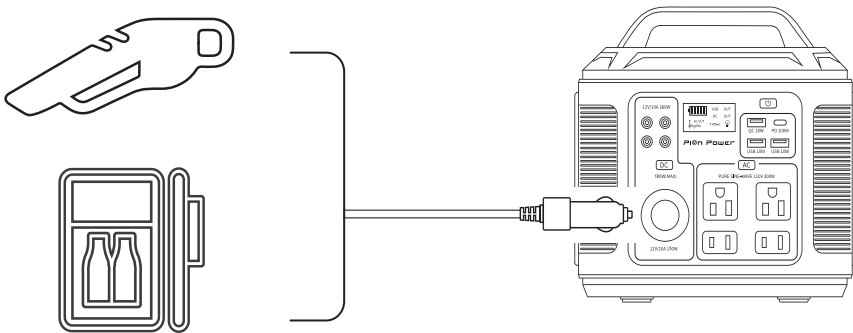


1. Press and hold the main power switch for 3 seconds to start the host machine.
2. Check the remaining battery level by a battery charge gauge. If the battery is low, charge it first.
3. Press and hold the DC output switch to turn on the DC output mode. While the device is outputting power, the DC output mode is displayed on the LCD.
4. Connect the plug of the electrical device to the DC power outlet.

Caution

- DC output is compliant to the voltage of the internal battery (13-16.4V).
- Power may be supplied immediately after connecting to this device depending on the electrical equipment.
- Press and hold the main power switch to start the host machine, and the following situation will happen: (1) If no operation is performed for 10 seconds in the DC off mode, the display screen will automatically turn off. If no operation is performed within 30 seconds, the power will automatically turn off. (2) No operation is performed in DC power-on mode, but there is DC output (low-power consumption). The display screen still shows the remaining battery gauge as usual. To reduce power consumption, please press and hold the DC switch for at least 1 second to turn it off.

• Car Charging Socket Output

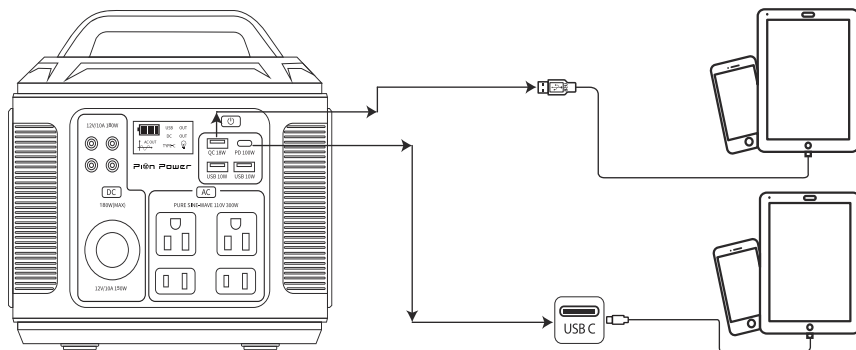


1. Press and hold the main power switch for 3 seconds to start the host machine.
2. Check the remaining battery level by a battery charge gauge. If the battery is low, charge it first.
3. Press and hold the DC output switch to turn on the DC output mode. While the device is outputting power, the DC output mode is displayed on the LCD.
4. Connect the device to the DC 12V car charger socket.

Caution

- DC output is compliant to the voltage of the internal battery (12-16.8V).
- Power may be supplied immediately after connecting to this device depending on the electrical equipment.
- Press and hold the main power switch to start the host machine, and the following situation will happen: (1) If no operation is performed for 10 seconds in the DC off mode, the display screen will automatically turn off. If no operation is performed within 30 seconds, the power will automatically turn off. (2) No operation is performed in DC power-on mode, but there is DC output (low-power consumption). The display screen still shows the remaining battery gauge as usual. To reduce power consumption, please press and hold the DC switch for at least 1 second to turn it off.

• USB Output



- This product is equipped with 4 USB output ports, among which the USB Type-C port supports USB PD up to 100W (20V/5A MAX), while the USB A port (QC3.0 port) supports "Quick Charge 3.0", 5V/2A, 9V/2A, 12V / 1.5A output. Other USB output ports are standard 5V.

1. Press and hold the main power switch for 3 seconds to start the host machine.
2. Check the remaining battery level by a battery charge gauge. If the battery is low, charge it first.
3. While the device is outputting power, the USB output mode is displayed on the LCD.
4. Connect the USB device to the USB output.

Caution

- The applicable maximum USB PD output is 100W.
- This product charges other connected electrical equipment according to the USB Power Delivery standard, requiring the connected devices to support the USB Power Delivery standard. If the device does not support it, the product will charge at 5V.
- Press and hold the main power switch to start the host machine, and the following situation will happen: (1) If no operation is performed for 10 seconds in the USB output, the display screen will automatically turn off. When a USB device is connected to the output port, the display will reappear. (2) If no operation is performed within 30 seconds, the power will automatically turn off. In this case, please press and hold the main power switch to start the host, and then use the USB output.
- If you cannot charge your iPhone and other similar devices, please reset it (unplug and plug in the charging cable).

How to use LED lights

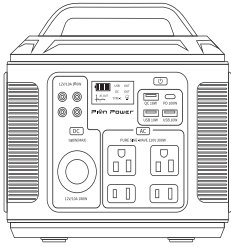
This product is equipped with LED lights in case that it can be used for outdoor activities, night lighting and outdoor rescue, etc.

1. Press and hold the LED light switch for 3 seconds to switch the luminance of the LED light to weak mode, and then the LCD screen will illuminate.
2. Every time you press the LED light switch, the lighting mode will change as follows: Weak→Medium→Strong→SOS
3. After you switched all the lighting modes, press the LED light switch to turn it off.
4. If you press and hold the LED light switch for 3 seconds when switching the lighting mode, the LED light will go out.

Product Specifications

Model Number		P302
Battery		High – Quality Lithium – Ion Battery
Capacity		296Wh,20Ah/14.8V(equivalent 80000mAh,3.7V)
Frequency Waveform		60Hz Pure Sine Wave
AC Power		300W(Instantaneous 500W 1S)
Input	Charging Jack (DC –5521)	AC Adaptor : DC 15V–4A 60W
		Solar panels for charging:DC5.5 –25V/4A 60W(MAX)
		In-car charger Adapter:12V–4A
Charging Time (Reference)	AC Adaptor	5–6 Hours
	Solar Panels	5–10hours(Suggest using with 60W solar panels)
	In – Car Charger Adapter	6–7 Hours(12V–4A)
Output	AC Output (4 Ports)	110v Power 300w(320w MAX)
	USB Output (2 Ports)	5V-4A(MAX)
	QC3.0Output(1 Port)	5V/9V-2A 12V--1.5A
	TYPE – C Output (1 Port)	9V-2A 5V/12V/15V-3A 20V-5A(MAX)PD 100W
	DC Output (4 Ports)	12V-10A 180W MAX Φ5.5mm
	Car Cigarette Lighter Socket (1 port)	12V-10A 150W MAX
Lifecycle	About 500 Times	
Charging Temperature	32°F- 104°F	
Working Temperature	32°F- 104°F	
LED Lighting	10W 4–Step Dimming(Weak,medium,Strong,sos) Up to 500 Lumens	
Size	215x150x205mm	
Weight	3KG	

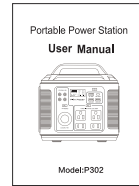
Package Content



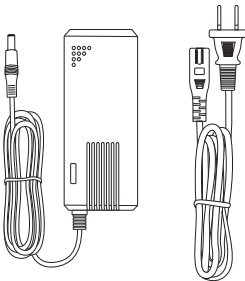
1 x Portable Power Station



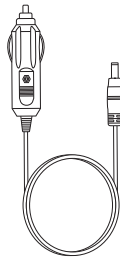
1 x Car Cigarette Lighter Socket



1 x User Manual



1 x AC Adapter (AC-DC5521)



1x Cigarette Lighter Plug Cord

Warranty terms & Inquiry

- The warranty period of this product is 24 months from the date of purchase.
- Please note that the specifications of this product are subject to change without notice.
- Please note that this product may be discontinued, and stop production due to the discontinuation of the electronic components used.

If you suspect that this product is malfunctioning, please let us know the following:

- When to buy
- Order number and product model
- Malfunction description (please explain the failure of product as detailed as possible.)
- If you have any questions or any questions about troubleshooting, Please consult the store where you purchased the product.

CE FCC RoHS