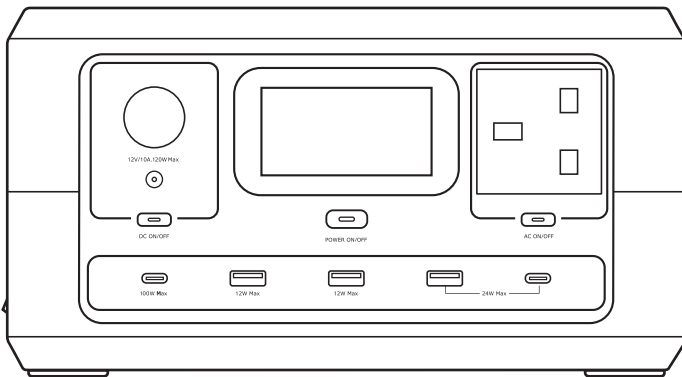


ELEKER[®]

Operation Manual



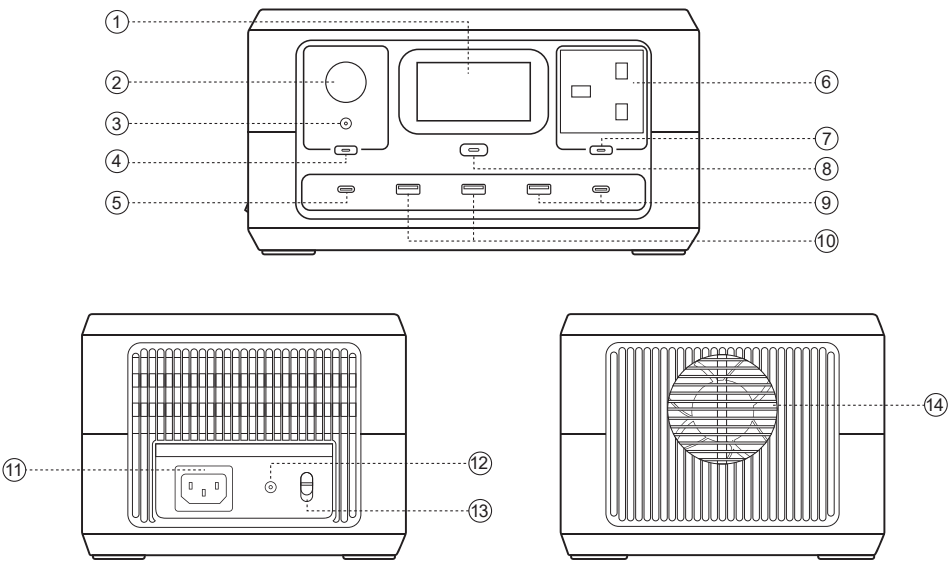
Portable Power Station

Please read this manual carefully before using this product

Features

- This product is a portable outdoor energy storage power station with a maximum output power of 300W. With AC / USB / DC / car charging port and other output methods, it can charge all kinds of small home appliances and digital devices. It is suitable for outdoor travel, outdoor camping, self-driving tour, outdoor work, home power failure emergency.....
- The output uses "constant power" technology, most of the heating and motor appliances (below 600W) with a rated power of over 300W can be used, and they will not fail to work due to overload protection, but the heating will be slower ("constant power" is not suitable for all electrical appliances).
- With APS (Automatic Power Switch) function, the power can be automatically turned on when the power is cut off, extending the output usage time.
- It supports fast charging, and takes about 1 hour to fully charge.

Product description



- | | |
|---------------------------------------|-------------------------------------|
| ① Display screen | ⑧ Main power & USB switch button |
| ② Car charger output port | ⑨ USB-A+C output port |
| ③ 5521 DC output port | ⑩ 2 x USB-A output port |
| ④ DC/Car charger output switch button | ⑪ AC charging input port |
| ⑤ USB-C 100W input & output port | ⑫ Solar/Car charging input port |
| ⑥ AC output socket | ⑬ Fast /Slow charge transfer button |
| ⑦ AC output power switch button | ⑭ Ventilation holes |

① Display screen

Displays the power and usage status of the product.

② Car charger output port

It can be used for general car chargers, suitable for 12V devices, such as car stereos, car vacuum cleaners, gas-electric pumps, walkie-talkies and outdoor refrigerators, etc.

③ 5521 DC output port

Single-port supports the 12V/10A Max, which can be charged for digital devices with 5521 DC port.

④ DC & Car charger output switch button

Press to open or close the DC/Car charger power. This button controls 5521 DC and car charger output ports, the two output ports share 12V/10A, 120W max.

⑤ USB-C 100W input & output port

Input & output bidirectional interface, supports up to 100W fast charging. Can quickly charge laptops, mobile phones and tablets; with a PD power adapter, it can quickly charge the power station.

⑥ AC output socket

Pure sine wave, 300W max output (Peak power- 600W max.)

⑦ AC output power switch button

This button controls the power output of the AC socket. Press this button to turn on AC output; Press again to turn off the output.

⑧ Main power and USB output switch button

Press once to turn on the energy storage power, the display screen lights up, and the USB port is turned on at the same time. Long press for 2 seconds to power off.

⑨ USB-A+USB-C 24W output port

Compatible with PD/QC fast charging protocol. The maximum output of USB-C single port is 24W, the maximum output of USB-A single port is 24W. When the dual ports are used at the same time, they share 5V/2.4Ax2, and the maximum output is 24W.

⑩ 2xUSB-A 12W output port

Each USB-A single port output is 5V/2.4A, 24W max.

⑪ Mains AC charging input port

Insert the pin-shaped end of the AC power cord into the AC charging input port of the product to support 220V-240Vac~50/60Hz charging.

⑫ Solar/Car charging input port

Support the maximum 120W charging input of solar panels; It can also support the input of the vehicle power supply of the maximum 8A of 12V/24V (the car needs to be mobilized when used, so as not to cause the battery loss to be unable to start).

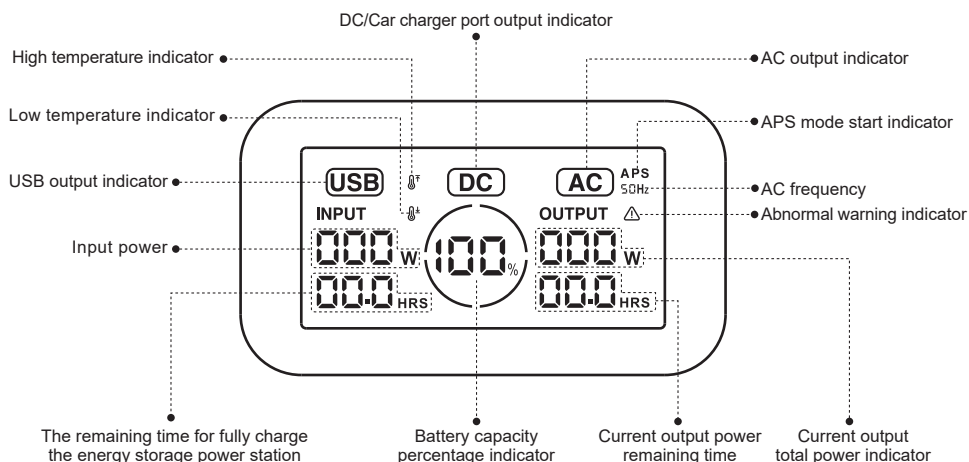
⑬ Fast/Slow charge transfer button

This button can select fast charge or slow charge mode when AC power is input.

⑭ Ventilation holes

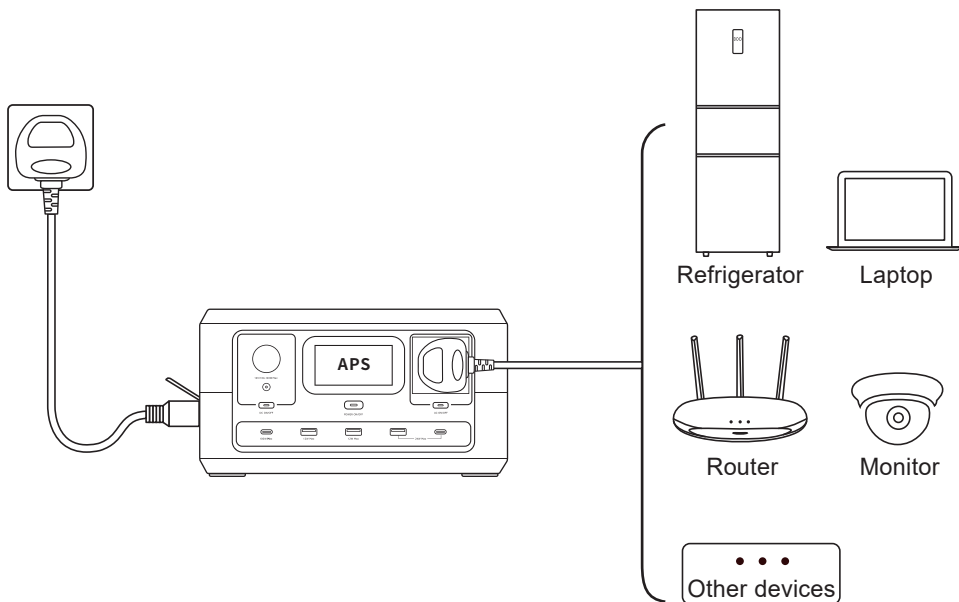
When the portable power station needs to dissipate heat, the fan will automatically turn on.

Introduction of LCD screen interactive interface



APS function introduction

Connect the portable power station with the AC power cord, connect to the mains, and then connect the electrical equipment to the AC output socket and turn on the AC output power switch to automatically enter the APS (Automatic Power Switch) mode to supply power to the electrical equipment. When the power grid is powered off <30ms, it can automatically switch to the energy storage power supply mode, and continue to use the battery energy to supply power to the electrical equipment. (As shown below)



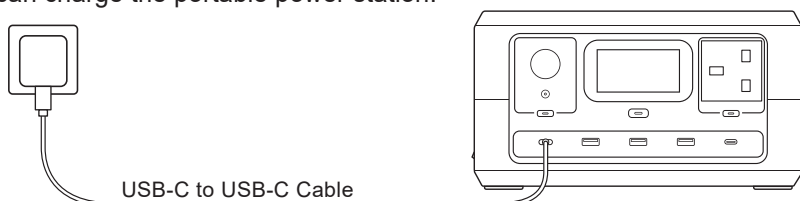
*** APS only supports the use of electrical equipment below 300W, and do not use other equipment at the same time during use, so as not to cause OVERLOAD protection and turn off the output. Our company is not responsible for abnormal operation or data loss caused by overloaded use.**

*** The APS function of this product is not a standard UPS, does not support 0ms switching, and should not be used on equipment that requires high uninterrupted power supply. If you use it on a computer or data product, please test it by yourself. Our company is not responsible for data loss or abnormal operation.**

How to charge the portable power station?

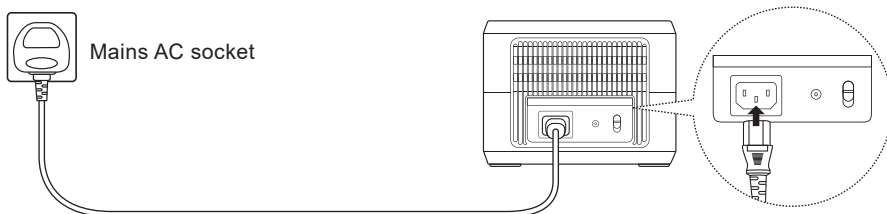
Method 1: Charge the portable power station through the USB-C port.

Use a USB-C to C fast charging cable with a PD charger, connect to the mains, and you can charge the portable power station.



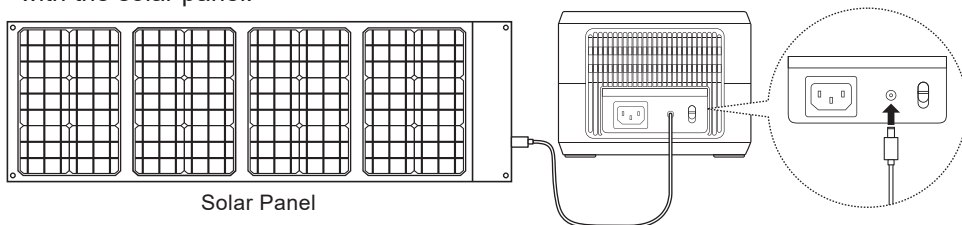
Method 2: The utility power charges the portable power station.

Insert the product's AC charging input port with the pin-shaped end of the attached AC power cable, then connect to the mains to charge the portable power station.



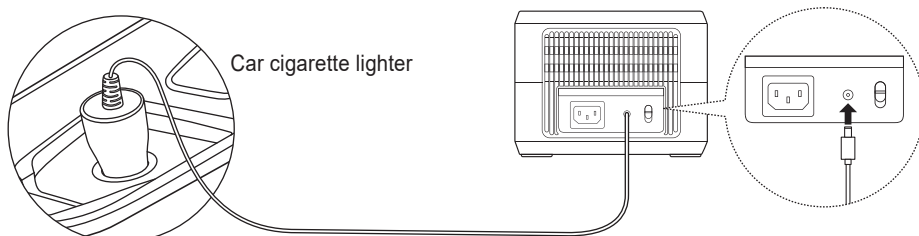
Method 3: The solar panel charges the portable power station.

Use DC to DC charging cable, connect the 5521 DC input port of the power station with the solar panel.



Method 4: use the car charger for charge the portable power station.

Use the attached DC head car charger, insert the car charger into the cigarette lighter hole of the car, and insert the DC head into the 5521 DC input port of this product.



* The car needs to be started when using, so as not to cause the battery to lose power and can't be start.

Specifications

General Info

Model:	CE306-80F300W
Capacity	256Wh (20Ah 12.8V \equiv)
Net weight (main engine)	3.7kg
Dimensions	24.3x17.5x13.3cm

Output Parameters

AC output power	Pure sine wave, 300W total (220V, 50Hz)
USB-C1 output (single port)	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, 100W Max.
USB-C2 output (single port)	5V/3A, 9V/2.65A, 12V/2A, 24W Max.
USB-A1/A2 output (single port)	5V/2.4A, 12W Max.
USB-A3 output (single port)	5V/3A, 9V/2.65A, 12V/2A, 24W Max.
USB-C2+USB-A3 output (dual port)	5V/2.4A x2, 24W Max, Shared.
Car charger port+5521 DC	12V/10A, 120W Max, Shared.
AC output overload protection	350W Max
Max Device(s) Power Supported	600W (Heating Equipment)
APS uninterrupted power supply	Disconnect the AC input power supply, less than 30ms, AC output can be started normally.

Input Parameters

AC input:	220-240V~50Hz/60Hz, 2.8A Max.
AC input charging power	300W Max
APS mode input power	600W Max
5521 DC solar charging input	11-24V/8A, Max. 120W
5521 DC car charging input	11-24V/8A, Max. 120W
USB-C1 charging input	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, 100W Max.

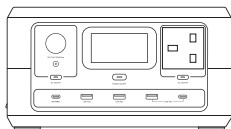
Battery Info

Battery pack specification	LiFePO4 (40135) /3.2V, 4 Series/12.8V
Battery pack capacity	256Wh, (20Ah 12.8V \equiv)
Full time of fast charging (0% - 100%)	1 hour
Cycle Life	2000-3000 cycles
BMS Protection	OVP, UVP, OCP, SCP, OTP, UTP, etc.

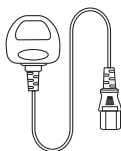
Environmental Operating Temperature

Optimal Operating Temperature	20°C to 30°C
Discharge Temperature	-10°C to 45°C
Charging Temperature	0°C to 45°C
Storage Temperature	0°C to 45°C (optimal: 20°C to 30°C)

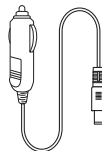
Package include



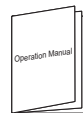
Portable power station



AC power cable
(Input)



DC plug car charger
(Input)



Instruction Manual
& Warranty Card

Warranty instructions

- This product is warranted for 12 months from the day of purchase with non-human factors. When it has a functional failure, we will provide free reparation service after our after-sale service department test it.

Non-warranty Instructions

- Unauthorized repair, misuse, collision, negligence, abuse, liquid invasion, modification, disassembly and other artificial damages.
- Tear up or alter labels, machine serial numbers and anti-counterfeiting marks, etc.
- Damages caused by force majeure.
- The product has exceeded the warranty period.

Cautions

- Do not disassemble, puncture, shock, impact the product, or perform irregular operations on exposed ports.
- It is strictly forbidden to put the product close to the fire source or put it into fire or water to avoid the danger of fire and explosion.
- Keep product dry. It is strictly forbidden for the product to come into contact with any liquid, and it cannot be used in the rain or in a humid environment, otherwise it may cause a short circuit explosion of the internal components of the product, and may also cause the battery to spontaneously ignite.
- Please recycle and dispose of the product in accordance with local laws.
- Please stop using the product when it is subjected to a strong drop or impact, or the casing or interface is damaged.
- It is forbidden to use this device in the environment of magnetic field or strong static electricity, otherwise the device may not work properly and the machine may malfunction.
- Do not let children touch and play with this product; be careful to drop it when carrying to avoid hitting your feet.

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