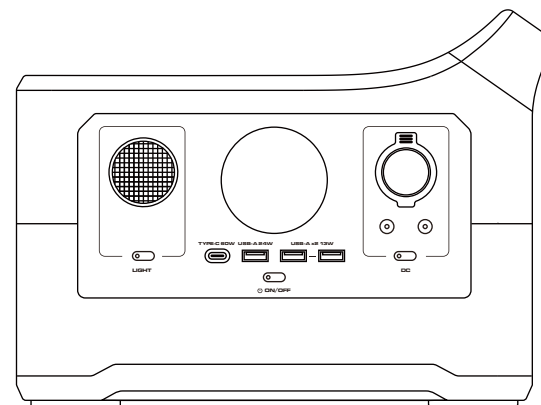


E7 | 700W/140000mAh
POWER STATION

User's Manual



WARNING

- 1, Please keep dry and stay away from the fire.
- 2, Don't disassemble, stab or impact the product strongly.
- 3, Please recycle and dispose the product accord to the local laws and regulations.

IMPORTANT SAFETY INSTRUCTIONS

WARNING - The following basic precautions must always be observed when using this product.

1. Please read the user's manual carefully before using this product.
2. To reduce the risk of injury, close supervision is required when using this product near children.
3. Please do not put your fingers, palms or any part of your body into the product.
4. Use of non-recommended accessories may cause fire, electric shock or personal injury.
5. Please do not use damaged or modified battery packs or devices.
6. Please do not use this product with a damaged cord, plug or output cable.
7. Please do not disassemble the power supply by yourself when the product requires maintenance or repair. Incorrect disassembly methods may cause fire or electric shock. Please submit the portable power supply to a qualified service provider.
8. When the product fails, please disconnect the portable power supply from the socket before carrying out any guided maintenance operations to reduce the risk of electric shock.
9. Charge the internal battery in a well-ventilated place and do not obstruct air circulation.
10. Under extremely conditions, liquids may be sprayed out from the battery. Your hands or eyes are required to avoid contacting with the battery and liquids. If the accidental contact occurs, rinse with clean water. If liquid contact with eyes, seek other medical help.
11. Please do not expose the product to fire or excessive heat environment.
12. Maintenance is provided only by qualified service personnel.
13. The United States or Japan only supports 100-120V AC (50/60HZ) charging, do not exceed the specified AC voltage, otherwise it will cause product malfunction, our company will not be responsible for providing free maintenance services.

Please keep this safety instructions.

USE, MAINTENANCE AND SAFETY GUIDE FOR E7

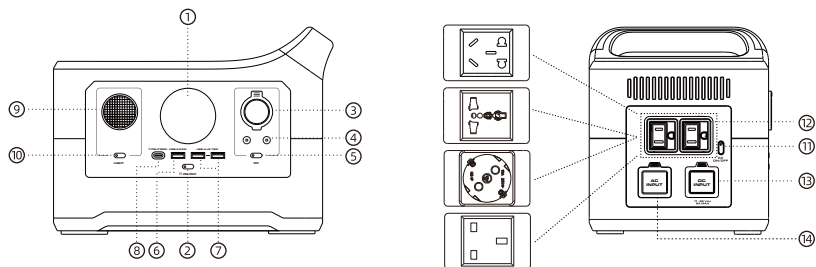
First of all, congratulations on having the best quality portable power station in the world! This manual will give you a help. Please take a little time to read the manual and follow the instructions. It's easy for you to be able to fully grasp the method to use the product. If you are not used to read the user's manual, please at least note that

To turn on or turn off E7 portable power station, you need to press and hold the power button (Ⓜ). To initiate the AC output power port, you need to press and hold AC ON/OFF (Ⓢ) while E7 portable power station is on. This is intentionally designed to conserve battery power for emergencies.

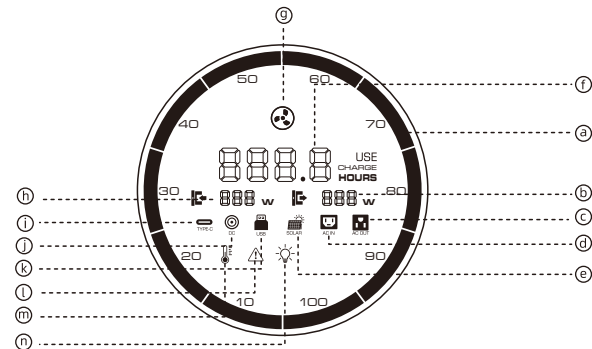
Features of the E7 portable power station: please read this manual to know each of the E7's ports, buttons, displays, etc., one by one. Technical parameters and specifications: to get to know the technical specifications of an advanced portable power station like E7. How to charge E7 portable power station: charge the product via AC cable or solar panel (if applicable).

FAQ: answers to important questions like how to maintenance, store and use E7 portable power station and how to keep it safely etc.

Packing list: a list of items you will receive with the purchase of the E7 portable power station. If you find missing items on the list, please contact with us at.



1. LCD display



- Electricity column / numeric percentage display** - energy bar shows current SOC (State of Charge). Each grid of the electricity quantity is 10%. When the battery level falls below 20%, please charge E7 portable power promptly.
- Current output** - displays the current power output level of E7 portable power in Watts (W). When multiple ports are operating at the same time, the total current output power is displayed.
- AC OUT indication** - When AC switch is pressed, AC OUT indication icon lights up. OUT PUT power shows the current level (refer to b Current Output).
- AC charging indication** - When AC charge the main unit, AC IN indicator icon illuminates. The input power starts to increase. The remaining use time becomes the charging time, USE becomes the charge icon and the energy bar is all shown in green.
- Solar charging indication** - when solar panel is used to charge E7 portable station, the SOLAR indicator icon lights up. The input power starts to increase and the remaining usage time becomes the charging time (refer to F charging indication).
- Remaining chargeable/rechargeable time** - the remaining chargeable/rechargeable time is determined based on the current power consumption of E7 portable power station.
- Fan Indicator** - the fan speed of E7 portable power station is positively related to the amount of load and ambient temperature, the higher load or higher ambient temperature, the faster the fan speed.
- Current Input** - displays the current power input level of E7 portable power station in Watts (W).
- Fast charging Type-C port** - use Type-C to charge the devices including MacBook Pro. Select phones and any other device that charges via Type-c port. The USB/Type-c output indicator icon will automatically light up when pressing the Power key switch (the USB port is powered out at the same time).
- DC Output** - When the DC switch is pressed, the DC icon is illuminated. The 5521 and cigarette lighter port outputs can supply power at this time. (Default output 13.6V, output voltage can be set via APP, Can choose the 12V/24V/36V/48V).
- USB port** - Charge a variety of devices such as Phones, tablets, GoPros, speakers or anything else that charges through USB port. The USB output indicator icon will automatically light up when the USB port is in use. (The USB/Type-c ports share a common switch and do not need to be switched on repeatedly).
- Overload Protection** - When the load power is greater than the rated power of E7 main unit, the output will be automatically switched off and OVERLOAD will be illuminated to protect the appliance lifespan and to keep the safety of the main unit. Please do not use an appliance that exceeds the rated power, and turn on the AC output switch manually when using it again.
- High Temperature Indicator** - When the thermometer red icon lights up, it shows abnormal temperature for E7 portable power station. All input and output functions will stop operating and the fan will run on. E7 portable power station will automatically resume operation once the core or relevant port has been cooled down.
- LED light** - this icon on the screen will illuminate when the light illumination is switched on.

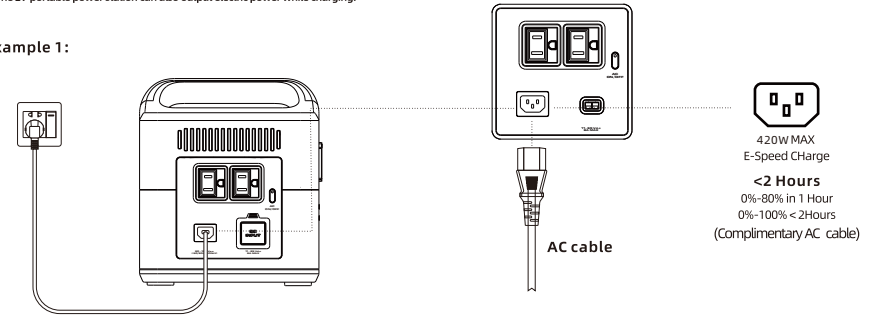
2. **Main power button** - tap the switch for 2 seconds to turn on E7 portable power station. When E7 portable power station is on, the display lights up at the same time; Press the power button to enable or disable USB, TYPE-C, and wireless charging. when E7 portable power station is not in use, please press and hold the power button inwards for 2 seconds to turn off the power, to preserve the power well and protect the battery health.
3. **Car charger output port** - 1 car charger output port, supporting a maximum of 10A current output. (Default output 13.6V, output voltage can be set via APP. It can be used for general car appliances and also for charging 12V lead-acid batteries of small cars (must be operated under the guidance of professionals).
4. **DC output** - 2 DC 5521 DC output ports, supporting a maximum of 3A current output, can be connected to DC 5521 specification equipment power supply. Default output 13.6V, output voltage can be set via APP. When using this port, please check whether the APP output voltage setting matches your device. (Note: it should be synchronized with the output voltage of the car charger, please pay attention to the adjustment of output voltage when using it)
5. **DC Output Zone Switch** - tap DC ON/OFF button to turn on or turn off DC power of E7 portable power station, the button indicator will be on or off. This button controls two DC 5521 ports and one car charger port of E7 portable station. When the DC outputs are not in use, turn off the power supply in order to conserve power and protect the battery health.
6. **USB-A1 output port** - USB-A1 with a maximum output of 24 watts.
7. **USB-A2 output port**- contains 2pcs USB-A ports with a maximum output of 13 watts.
8. **Type-C Output Port**- 1 Type-C port supporting up to 60 watts of power, if your device does not support fast charging, the device will be charged at normal speed.
9. **Auxiliary light** - LED auxiliary light. holding the LIGHT/IOT button for 2 seconds, the WiFi connection setting is reset.
10. **Auxiliary light** - LED auxiliary light switch, tap ON/OFF switch to turn on or turn off LED auxiliary light.
11. **AC output zone switch** - if you tap AC output switch zone ON/OFF, AC power button indicator for E7 portable power station will be turned on or off. AC output port starts or stops output operation.
12. **2pcs AC output outlets (100-120V zone) / 1pcs AC output outlet (200-240V zone)** - charging the devices with voltage of 110v (100-120V zone) / 220v (200-240V zone) (total output power is 700W), please notice the device power and voltage before connecting more devices. Excessive power may cause your device not working properly or being damaged.
13. **Solar charging input port** - supports up to 3pcs 160W solar panels in series, no limit to the number of parallel connections, but the unit itself will be limited to a maximum 420W input.
14. **E-Speed charging input port** - connects one end to a general triangle AC cable (capable of handling 15A effective current) and the other end to AC power (mains electricity input). US or Japan only supports charging for 90V AC-130V AC (50/60HZ) / International version 180V AC-245V AC (50/60HZ). E-Speed system of E7 portable power station has a fast charging function which can be charged up to 80% within one hour. E-Speed system also supports the entry-level UPS function, means you can connect the product to the wall AC power supply while using E7 portable power station (please refer to the description of EPS function for details).

HOW TO RECHARGE E7 PORTABLE POWER STATION

E7 portable power station has 3 charging modes: an AC charging port for home grid and mains electricity (as shown in diagram 1). An Anderson port via a car charger (as shown in diagram 2). There is also the possibility of charging E7 portable station via solar panels (as shown in diagram 3).

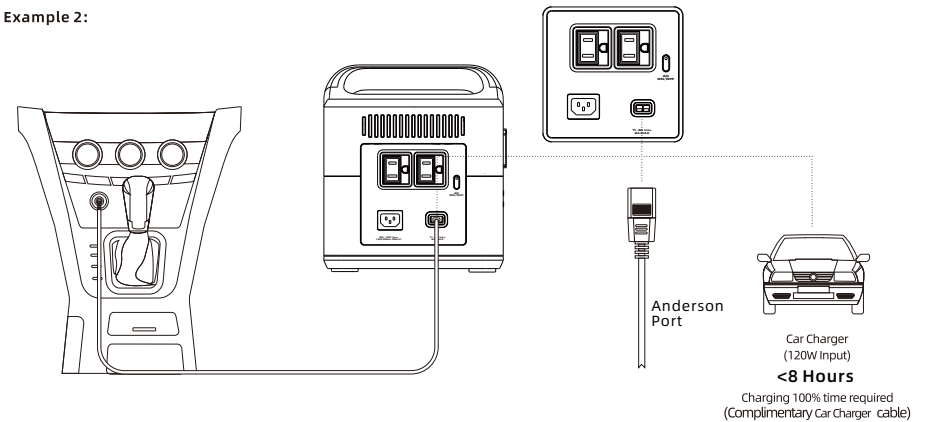
※ The E7 portable power station can also output electric power while charging.

Example 1:



The main unit can be charged by plugging one end of the triangle AC connection cable supplied with the main unit into the AC port (as shown in the diagram above) and the other end into a home grid socket.

Example 2:

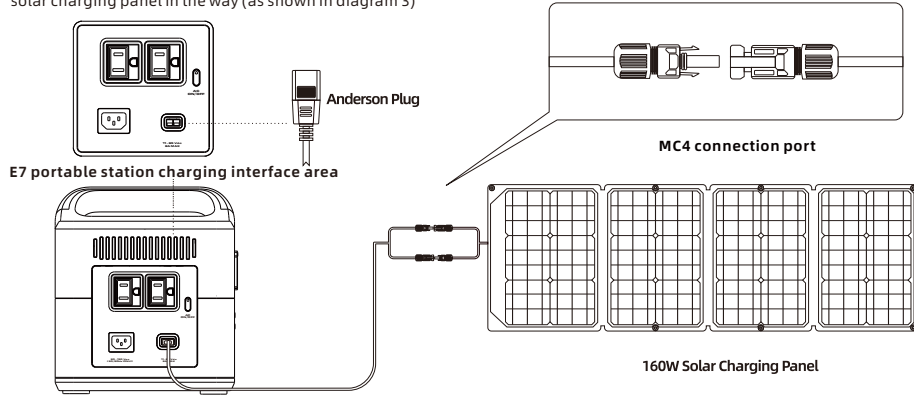


The main unit can be charged by plugging the cigarette lighter to Anderson connection cable supplied with the main unit into the Anderson port (as shown in the diagram above) and the other end of the car charger into the car cigarette lighter.

※ Please do not charge E7 portable power station with car charger when the engine is cut off, because this act will cause over-discharging of the car's lead-acid battery, and will cause the car engine unable to start.

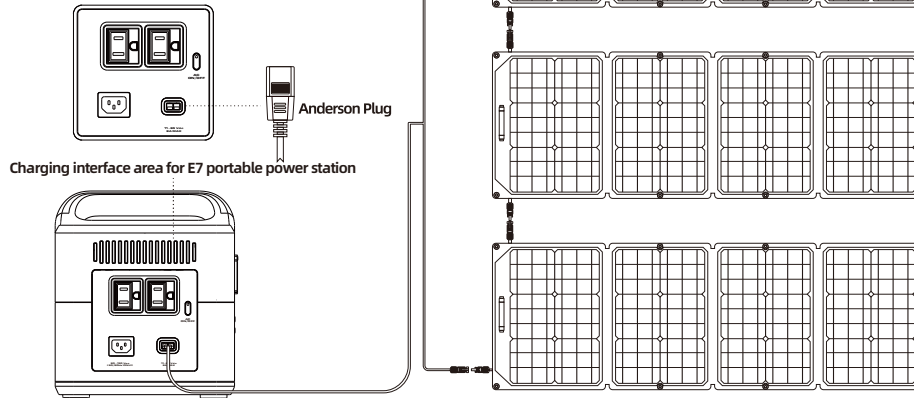
Example 3:

The user can charge E7 portable station via the MC4 interface of solar charging panel in the way (as shown in diagram 3)



Example 3-1:

Series connection charging solution diagram 3-1 The user can charge E7 portable power station with a Power of 420W input (as shown in diagram 3-1) in Series connection as shown in the diagram with 2pcs 160W solar charging panels via MC4 connection port. Note: The maximum support for series charging is 65V420W input, such as 22V single solar panel, the maximum support for $65/22=3$ pieces in series, users can flexibly choose the series solution for charging according to the solar panel working voltage.

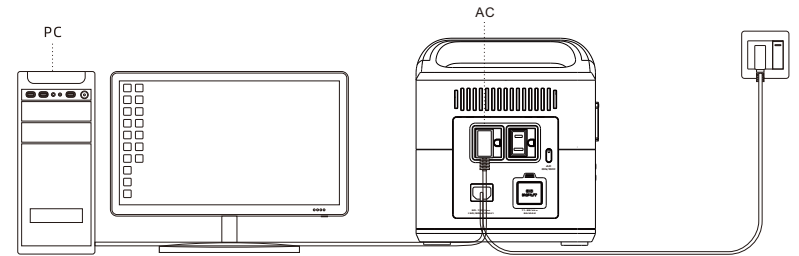


INTRODUCTION TO E-UPS FUNCTION

E7 portable power station has E-UPS function, which means that you can connect to AC power supply of the wall while using AC socket from the E7 portable power station (when the AC power comes from the grid, not from the battery). When the power grid is suddenly cut off for <math><30\text{ms}</math>, it can be automatically switched to battery-powered mode from E7 portable power station. However, this function is a non-professional UPS function and does not support 0ms switching. Please do not connect the equipment that requires uninterrupted power supply, or use it after several tests to confirm its compatibility. Our company is not responsible for any failure of the equipment or loss of data if you do not follow the instructions. (e.g. data servers and workstations, otherwise your user experience will be affected).

The user can connect the mains grid with AC charging cable attached to the E7 portable power station, and then plug the consumer device into the AC output of the E7 portable power station and turn on the AC switch, then it will automatically switch E-UPS mode. When the power grid is cut off, the E7 portable power station can supply electricity for your appliances by using battery power continuously (as shown in the diagram below).

* E-UPS function of E7 portable power station only supports the use of appliances with a total power of 700W or less. Please do not exceed the specified power to avoid improper operation or data loss of the equipment, for which we are not responsible for. The E-UPS function is available when only one E7 portable power station is connected as shown in the diagram below.



TECHNIAL SPECIFICATIONS

GENERAL SPECS

Size	11x7.2x8 inch (28x18.3x20.7cm)
N.W.	5.3KG (11.7lb)
Capacity	504 Wh/ 28.8 V
Testing and Certification	PSE/UL/FCC/CE/ROSH

Output

AC Output	700W (Surge MAX 1100W) , 110V / 220V (50Hz/60Hz)
USB-A1*1 Output	support 5V/9V/12V , max power 24W
USB-A2*2 Output	support 5V , max power 13W
UYPE-C Output	support 5V/9V/12V/15V/20V , max power 60W
Car charger output	supports 13.6V 10A by default
DC 5521 * 2	supports 13.6V 3A (Note: Synchronous with the output voltage of the vehicle cigarette lighter socket, please pay attention to the output voltage regulation.)

Input

Ac Charge Input Power	E-Speed Charge 420W Max
Ac Charge Input Voltage	(90-130Vac,50/60Hz) / (180-245Vac,50Hz/60Hz)
Solar Charge Input	11-65V Max 420W
Car charge Input	12V/24V/48V/60V 8A, Max 420W

Battery

Cell Chemistry	NCM
Cell Type	18650
Pack	857P,(2.5Ah*3.6V)*(8*7)
Discharge Temperature	-4°F~-140°F ± 5°F(-20°C~60°C ± 3°C)
Charge Temperature	32°F~113°F ± 5°F(0°C~45°C ± 3°C)
Life Span	800 cycles (battery charge 80%)

INTRODUCTION TO E-VSZ MODE

E7 E-VSZ function allows you to use E7 portable power station without overload protection even if the rated power of the appliance is between 700W and 1100W, thus eliminating the need to buy a tailor-made appliance for portable energy storage. If using conventional power converter, the equipment will be overloaded and unavailable whenever the rated power is exceeded. E7 E-VSZ function is designed to protect equipment between 700W and 1100 W. When using E7, please note that:

1. Do not use electrical equipment exceeding 1100W when the AC output is connected to the home grid, otherwise low voltage protection will occur during the use and the circuit breaker will be tripped.
2. Please do not use electrical equipment surpassing 1100W in the charging state.
3. When using electrical appliances with a rated power of 700W-1100W, only one appliance can be connected, otherwise the use of multiple appliances will affect the effect of the appliances due to volatile voltage.

※ The E-VSZ function does not work with all electrical appliances, and some appliance is unavailable with strict voltage requirements of over 1400W rated power. So please check the power of the appliance before use to avoid affecting your user experience. Air conditioners and air compressors are not recommended to avoid damaging electrical appliances. The electrical equipment with a rated power of 700W-1400W is recommended, such as laptops, electric kettles, coffee machines, etc.

FAQS

How to safely use E7 portable power station : Please use E7 portable power station within the allowed operating temperature. It may cause E7 portable power station exceeding its safe and effective operating limits over the optimum operating temperature. Please do not soak the main unit in water, E7 portable power station is not waterproof. Please note that watertight use does not invalidate the terms of the warranty. Continuous use of high-power electrical appliances output may cause overtemperature protection due to the high temperature of the host, which is a normal phenomenon. Please wait for about 30 minutes to 1 hour before using or charging.

How to charge E7 portable power station:

1. E7 portable power station must be charged using the officially specified charging cable. We will not be responsible for any consequences caused by charging with nonoriginal accessories.
2. When charging, please put the machine on a flat surface free from flammable or combustible materials. Please be present while the product is charging to prevent accidents.
3. If the product battery is at a high temperature after continuous full discharge, it is recommended to wait until the machine has been cooled down to room temperature before charging. Otherwise, charging may be prohibited. The rechargeable ambient temperature of the battery is 0°C to 40°C. The ideal charging ambient temperature (22-28°C) can extend the battery lifespan considerably.

How to store and transport E7 portable power station for charging:

1. Please store E7 portable power station out of the reach of children. If a child accidentally swallows parts, seek medical help immediately.
2. When the device is low on power, please charge it before storing it. Otherwise, prolonged storage with a low charge may cause damage to the battery inside. If the device is severely undercharged and left idle for too long, the battery will go into deep sleep mode. If you need to wake the battery from deep sleep, select slow charging mode for the equipment until it is fully charged. To prolong the life of the battery, we recommend that you perform a deep discharge and a full charge by using the slow charger at least once every three months.
3. Prohibit putting E7 portable power station near heat sources, such as a vehicle in direct sunlight, fire or a heating oven.
4. The environment in which the equipment is stored should be kept dry. Please do not put the machine under water or in a place where water may leak.
5. Prohibit storing or transporting the equipment with glasses, watches, metal necklaces, hairpins or other metal objects.

※ E7 portable power station cannot be carried on board as required by civil aviation regulations!

Disposal of product batteries.

1. Please ensure that the batteries of the equipment are completely emptied before placing the equipment in the designated battery recycling bin. Batteries are hazardous chemicals and should not be disposed of in the common waste bin. For details, please follow the laws and regulations for battery recycling and disposal.
2. If the battery unable to start when it over discharged, do not dismantle the power supply by yourself and please dispose of it.

How to maintain E7 portable power station:

1. Do not store E7 portable power station at room temperatures above 60°C or below -20°C.
2. If the product is left unattended for a long period of time, this will affect its performance.
3. Please re-charge and re-discharge the battery at least every three months to keep it active.
4. E7 portable power station is widely used and may therefore require simple cleaning from time to time. Please wipe it with a dry, non-abrasive cloth. If the surface is excessively dirty, we recommend that you clean it with a special cleaner for portable phones and computer screens. Please do not expose the product to a large amounts of water!

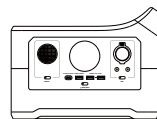
Product Warranty Card

Name:	Tel:
Address:	
Purchase Date:	Day Month Year
Warranty Effective Date:	Day Month Year
SN:	
Purchase channel:	

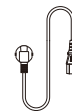
DATE	Maintenance Record

**Thank you very much for your trust and support in the products.
If you have any more problems ,you can contact us by phone or mail.**

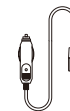
PACKING LIST



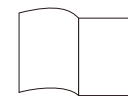
Portable Power Station



AC Cable
(Input)

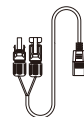


Car Charge Cable
(Input)

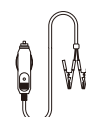


User Manual
&
Warranty Card

OPTIONAL ACCESSORIES



Solar charge Cable
(MC4 to Anderson Input)



Car battery Clamps
(Output)