

# POWERREPUBLIC

# User Manual

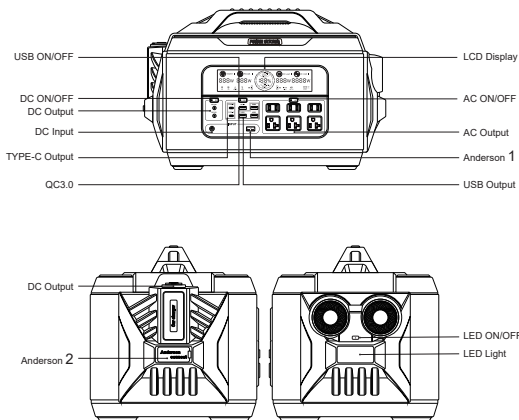
**ATTENTION:**

AC output voltage and frequency will be different depending on different countries or areas. Please refer to the actual product before using.

Thanks for purchasing our portable solar generator power station. Please read this manual carefully before use and keep it for review.

This manual helps you to operate this device correctly. But it is not the introduction of the software and hardware configuration. To know the configuration of the product, please refer to the related contract or consult with your distributor. The images in this manual are for reference only. Thank you!

## Product Description



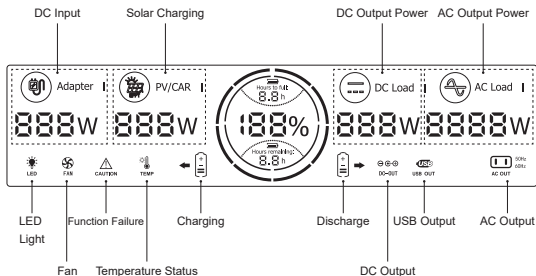
### Anderson 2 Port Cautions:

1. You should use the original charger or the charger with the same parameters (the voltage range is  $25\pm 0.2V$  and the current range is  $5A\sim 40A$ ), and correctly connect it to the positive and negative poles of this port;
2. This port is a fast charging port, when the device is charged to 90% via it, the charging will stop to protect the device;
3. If the parameters of the charger do not match, the display of this device will light up while the charging will not start.

## Specifications

Model	T2200
Battery Capacity	22.4V 100000mAh 2240Wh
Rated Power	2200W, Peak 4500W
Battery Type	LiFePO4 Battery
Charge Input	CC/CV 25.5V/8A
AC Output	100 ~120V 60Hz
USB Output	3*5V/3.1A Max
QC 3.0 Output	5V/3A, 9V/2A, 12V/1.5A
DC Output	2*12V/8A max
Type C Output 1	PD 100W: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A
Type C Output 2	PD 18W: 5V/3A, 9V/2A, 12V/1.5A
LED Flashlight	4W
Solar Charge Input	18V~30V
Output Waveform	Pure Sine Wave
Gross Weight	About 28KG
Product Size	L466*W300*H310mm
Operation Temperature	-10°C (14°F) ~60°C (140°F)
Protection Circuit	Short Circuit Protection
	Over Current Protection
	Over Power Protection
	Over Discharge Protection
	Over Charge Protection
	Over Temperature Protection
Package Included	1 x Portable Power Station
	1 x AC Adaptor
	1 x Power Cable
	1 x Car Charger
	1 x User Manual

## LCD Display



- \* The LCD screen will shut down automatically when no outputs are activated with 60 seconds.

### Battery Level Indicator

Show the percentage of the power. It is recommend to charge the power station when battery indicates less than 20%.

### Fan Indicator

The fan is intelligently started when battery temperature gets high.

### Current Input

Show the current input power in watts and provide remaining charging time in hours under current input.

### Current Output




Show the current output power in watts and provide remaining usage time in hours under current output.



## Function Failures Warning

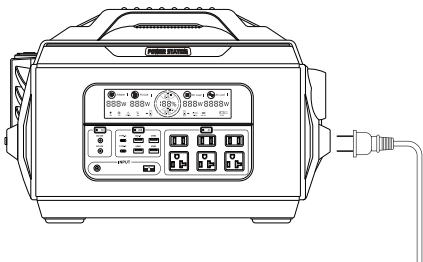
When there is a short circuit, exceeding maximum current/power limit or low voltage, the function failure sign will show on display, the corresponding outlet indicator will flash simultaneously for 60 seconds, and output automatically shut down immediately. Please remove the overloaded devices and then restart the power station to resume work.

## How To Use Your Portable Power Station?

### 1.AC output switch




Turn on AC output: Press and hold the AC power button  for 2 seconds to turn on the AC output, the corresponding indicator light will light up and the display screen will show Frequency “  →  ”. AC output will switch off within 3 hours automatically when there are no loads(less than 5W).




Turn off AC output: Press and hold the AC power button  for 2 seconds to turn off the product, and the corresponding LED indicator light and the display screen “  ” will turn off.

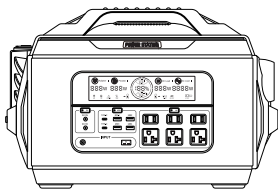


According to the power station you currently have, limited device wattage<2200W, such as laptop, fan, TV, CPAP, etc can be charged. AC will shut down when it's short circuited or power overloaded. Remove the device to recover from short circuit or over power protection.

## 2.DC output switch




Turn on DC output: Press the DC power button  to turn on DC output, the corresponding indicator light will light up and the display screen will show “ →  ”. DC output will switch off within 1 hour automatically when there are no loads(less than 2W).




Turn off DC output: Press the DC power button  to turn off the product, and the corresponding indicator light and the display screen “ →  ” will turn off.

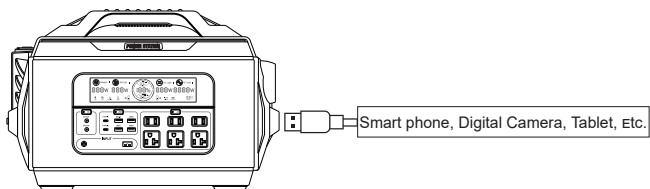


For DC12V devices, such as vacuum cleaner, inflation pump, electric wrench, car fridge, etc.


## 3.USB output switch


Turn on USB output: Press the USB power button  to turn on USB /TYPE-C output, the corresponding indicator light will light up and the display screen will show “ →  ”. USB output will switch off within 1 hour automatically when there are no loads(less than 1W).

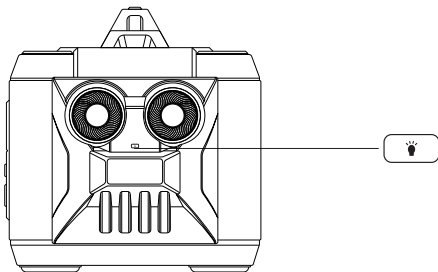
Turn off USB output: Press the USB power button  to turn off the product, and the corresponding indicator light and the display screen “ →  ” will turn off.



#### 4.LED light switch

Turn on LED light: Press and hold the LED button  for 2 seconds to turn on the light, and the display screen will show "LED", then one more click to change the modes: high light, low light, SOS and strobe.

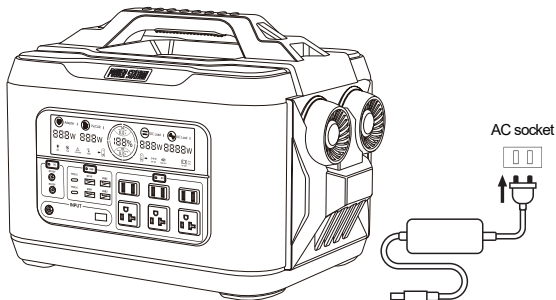
Turn off LED light: Press and hold the LED button  for 2 seconds to turn off the light.



## How To Charge The Portable Power Station?

### 1.Charging by DC input(7.9\*5.5\*0.9mm)(12V~30V,10A max /250W max)

The icon “





▲ Charging this unit with AC adapter

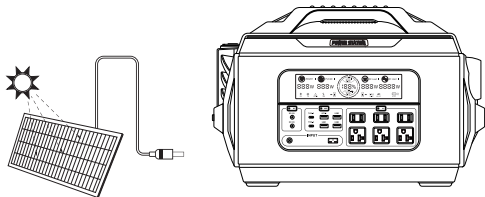
### 2.Charging by Anderson port 1 (18V~30V,10A max /250W max)

The icon “



### 3.Charging by Anderson port 2 (25V,40A max/1000W max)

The icon “ ” lights up, shows the current input power in watts “  888w ” and provides remaining charging time in hours under current input and the percentage of the battery.



## Frequently Asked Questions

#### 1. Can the product be carried on the plane?

No. According to international air transport standards, the lithium battery should not exceed 100Wh. You can not board the plane with the product because the built-in battery is 2240Wh.

#### 2. Why the device power is not available within 2200W sometimes?

- The power station's power is less than 20%, and it needs to be charged in time.
- The instantaneous starting power of your equipment is larger than the peak power of the power station, or the nominal power of the equipment is larger than the actual power of our power station. It is recommended to choose our products with higher power.

#### 3. Why is there a sound when the product works?

The power station built-in cooling fans system. The built-in fan can better help the product to dissipate heat to achieve a high conversion rate. It is common to have a slight noise during use.

#### 4. Is the charger(adaptor) heating up normally while the product is charging?

It is normal for the charger to heat up during charging. The standard charger conforms to national safety standards.

## Product Application Skills

- 1) This product is with built-in high quality original lithium ion battery. It has no memory effect but high capacity, and it is durable. However, we still recommend you to apply in the range of 10 °C ~30 °C, so as to obtain the optimal charging capacity.
- 2) When charging, in order to avoid interference, please stay away from TV, radio and other equipment.
- 3) If the device has not been used for a long time, please disconnect the cable and store.
- 4) Some portable devices may need to be set in charge mode to charge. Refer to the corresponding equipment use manual for more information.
- 5) After starting, if there is no output, it will automatically shut down within 60 seconds, so as to achieve better energy-saving effect.
- 6) Please deal with scrap products in accordance with the regulations, do not treat the built-in battery as a household garbage, so as not to cause explosion and pollution.
- 7) The product is only used for emergency power station, which can not replace the standard DC or AC power of household appliances or digital products.
- 8) Your device has an internal, non-removable, rechargeable battery. Do not attempt to remove the battery, as you may damage the device.



To preserve lifespan  
recharge every 3 months



Use original  
or certified cables



Don't expose  
to liquids



Don't disassemble



Avoid dropping



Avoid extreme  
temperatures