## PORTABLE POWER STATION

# 800W AC Fast Charge
# MaxiCharge Technology
# 1h to 80%

PORTABLE POWER STATION

WiFi
USB-A
Type-C
Quick Charge
DC
LIGHT
100%
88
SOLAR/CAR INPUT
MAX CHARGE
OVERLOAD PROTECTION

**800W**
AC Super Charge

**100%**
in 1.5 hour

**Wireless Charge**

**11**
Output Ports

**UPS Backup Function**

**2000W**
Surge Power Capability

## How our product Make Itself Stand Out From Other Portable Power Stations?

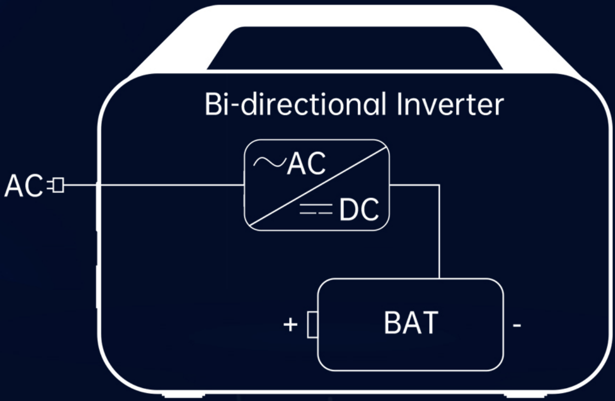
**Our R&D team have been specialized in solar inverter and energy-storage inverter field for over 20 years and we acquired over 20 patented technologies.**

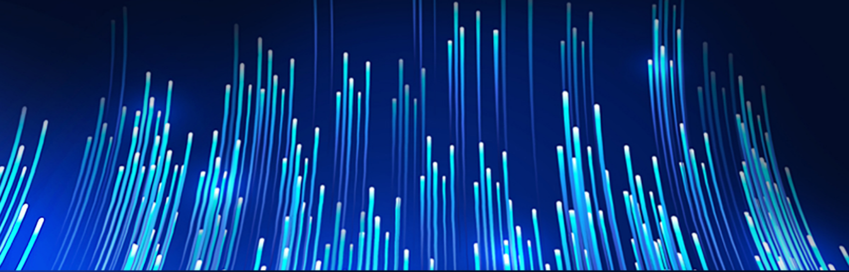
Our inverter technology is applied on the Portable Power Station. So what strengths can this bring to it?

# Built-in bi-directional inverter!
# REAL fast charge Portable Power Station!

With Maxi-Charge Technology, a bi-directional inverter (AC-to-DC & DC-to-AC) is applied on our power station . Through this inverter, charging speed by AC power can be 800W. It only takes less than 1h to be charged from 0 to 80%.

Most other Portable Power Stations on the market are designed with traditional built-in adaptor. The charge power rating is far less than 800W. To acquire the same charging power rating, both size and weight will be added much more.





# Uninterruptible Power Supply for Your Home

Worried about shutdown of your refrigerator when blackouts happen? Add the portable power station between refrigerator and grid power. As shown in image 1, our power staion works as a bridge. Grid power supplies to refrigerator bypass its battery. At the same time, the battery can also be charged from grid power. (Charge circuit will be cut off after battery reaches full capacity.)

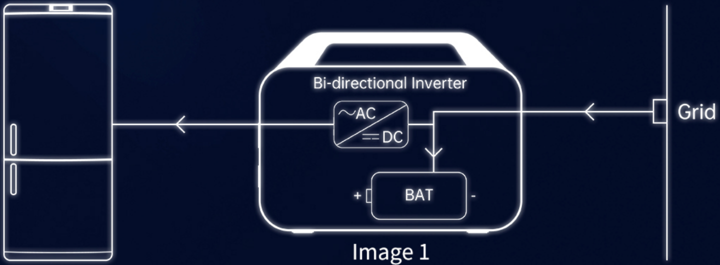


Image 1

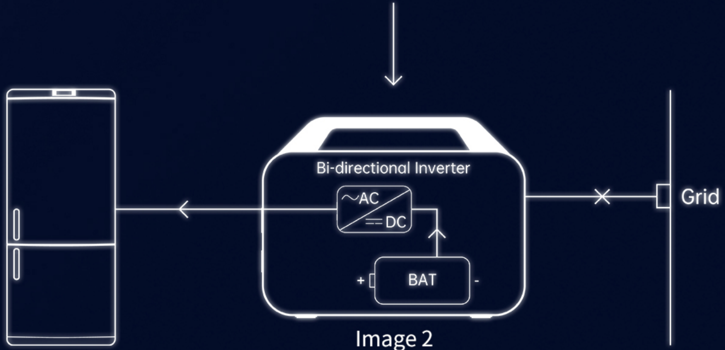


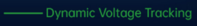
Image 2

# Switchover time within 10ms

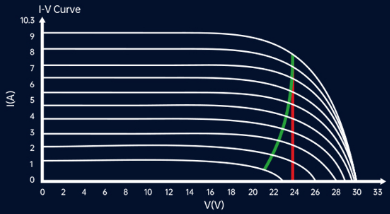
When blackout happens (Image 2), battery output will be switched on automatically and supply power to refrigerator. The switchover time from grid to battery is in 10ms. This ensures uninterruptible power supply(UPS) to critical devices like refrigerator and desktop computers.

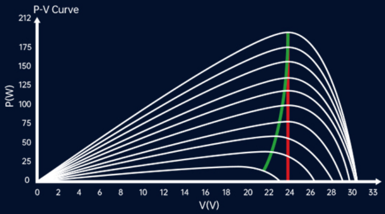
# MPPT Efficiency Over 99.99%

While Charged by solar panels, our power station's MPPT efficiency is over 99.99%. This is owing to our Enhanced Dynamic MPPT algorithm. Compared with fixed voltage tracking, dynamic voltage tracking makes sure the PV charger always work at the real maximum power point while sun radiation varies at different time in a day.



Fix Voltage Tracking

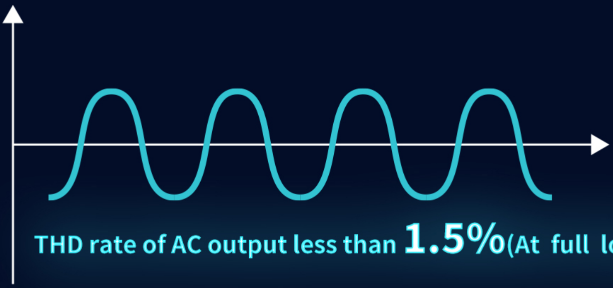




# Sine Wave AC Output .

Thanks to our advanced inverter technology, we make THD rate of AC output less than 1.5% (at full load), while it’s 5% from other manufacturers. The AC electricity generated by our power station is much closer to pure sine wave.

The lower THD is, the less impact it will cause to electrical devices.



**THD rate of AC output less than 1.5%(At full load)**

# **SmartDrive** Technology Adaptable to 2000W

When power rating of electrical appliances exceeds the rated output 1000W, the SmartDrive mode will be activated. Our portable power station will automatically adapt its output curve to drive the load that surpasses its rated output power.
In another word, when the power station detects that the load requires higher power than 1000W, it can still power the load at 1000W output.
The SmartDrive technology will bring you unparalleled user experience.

Microwave（1200W）

Hair dryer（1600W）

Circular saw（1500W）

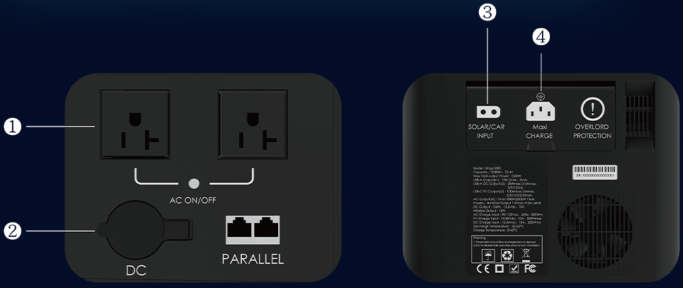
WiFi
Type-c
Quick Charge
DC
LIGHT

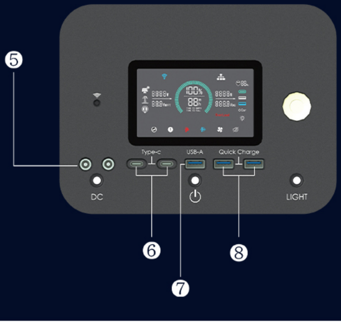
Electric pot（1800W）

Electromagnetic cooker（1800W）

## Versatile output, 11 output ports in 6 types, including Wireless Charging

# Power 11 devices simultaneously





① AC OUTPUT
② DC OUTPUT
③ SOLAR/CAR/ADAPTOR CHARGE
④ 800W AC FAST CHARGE
⑤ DC 12V OUTPUT
⑥ PD TYPE-C OUTPUT
⑦ USB-A OUTPUT
⑧ QUICK CHARGE OUTPUT

# Wireless Charge

PLACE
YOUR
DESIGN
HERE

# 3 Recharge Ways

800W AC fast charge：1.5h

DC Charge: DC 12-24V
by carport , 8.5h.

WiFi
USB-A
Type-C
Quick Charge
DC
LIGHT

**Solar panel Charge:** Can be charged at 200W max, 5-10h.

# What is 1008Wh capable of?

Smart Phone 12Wh:
75 Charges

Tablet 30Wh:
30 Charges

Laptop 50Wh:
18 Charges

DSLR Camera 18Wh:
50 Charges

Coffe Maker 600W:
30-36 Cups

Drone 78Wh:
11 Charges

Portable Fridge 65 W:
14 -20 hours

Projector 100W:
9 hours

Microwave 1300W:
0.8-2hours

Hair Dryer 1600W:
1-3hours

Electric Skillet 1500W:
1-3hours

Oven 1650W:
0.9 hour

# LiFePO4 Cell
# The Safest EV-grade Battery

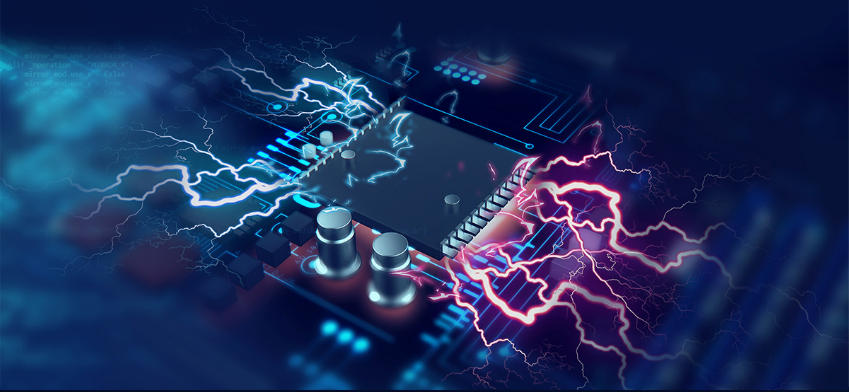
We use battery cell LiFePO4, it is EV traction battery.  After 2000 cycles, usable capacity of Gotion battery can still reach 80%.

# Multiple BMS Protection

When battery temperature is over 45 °C/113°F, the intelligent-power-reduction will be activated to protect battery. When battery temperature is over 55 °C/131°F, the battery  will stop to supply power for safety.

- Overvoltage protection
- Undervoltage protection
- over-temperature & under-temperature protection when charging & discharging
- overcurrent protection
- short-circuit protection

## Dual-core processor. Powerful computing capability to easily handle multiple tasks in high speed. Detection of Redundant Protection.



## Ultra-low power consumption design.

Only 5 mA in sleep mode, can last for 1 year!

Life cycles can be 2000 times.

AC ON/OFF
DC
PARALLEL

Intelligent & considerate fan speed control design. No disturb when recharged at night.

INITIAL
ENTROPY
ENERGY
WIFI
USB-A
Type-c
Quick Charge
DC
LIGHT

The charging noise is less than 30dB.

# Ambient Light

WIFI
DC
Type-c
USB-A
Quick Charge
LIGHT

| **Model** | 600W | 1000W |
|---|---|---|
| **Cell Type** | LiFePO4 | |
| **Capacity** | 672 Wh | 1008 Wh |
| **Life Cycles** | 2000 (@25℃, 1C discharge) | |
| **Output** | AC (x2): 600W total (Surge 1200W), AC 110V/120V @ 60Hz or 230V @ 50Hz | AC (x2): 1000W total (Surge 2000W), AC 110V/120V @ 60Hz or 230V @ 50Hz |
| | Carport (x1): DC 13.5V, 10A ;<br>DC port (x2): DC 13.5V, 10A;<br>} Total 120W | |
| | USB-A (x1): DC 5V, 2.5A; 12.5W | |
| | USB-TypeC (x2): DC 5V/9V/12V/20V, 5A; 100W Each | |
| | QC 3.0 (x2): DC 5V/9V/12V, 2.4A; 28W Each | |
| | Wireless Charger: 10W | |
| **Input** | AC Charge: 600W Maxi Super Charge | 800W Maxi Super Charge |
| | DC Adaptor Charge: 120W, 12V, 10A(Max) | |
| | Solar Charge: Max 200W, 10A ,VOC 30V | |
| **Dimensions (W*H*D)** | 340*272*198mm | |
| **Weight** | 8.8 Kg | 10.8 Kg |
| **Operation temperature** | 0~45°C (Charging), -20~60°C (Discharging) | |
| **Operation relative Humidity** | RH 0%-85%, Non condensation | |