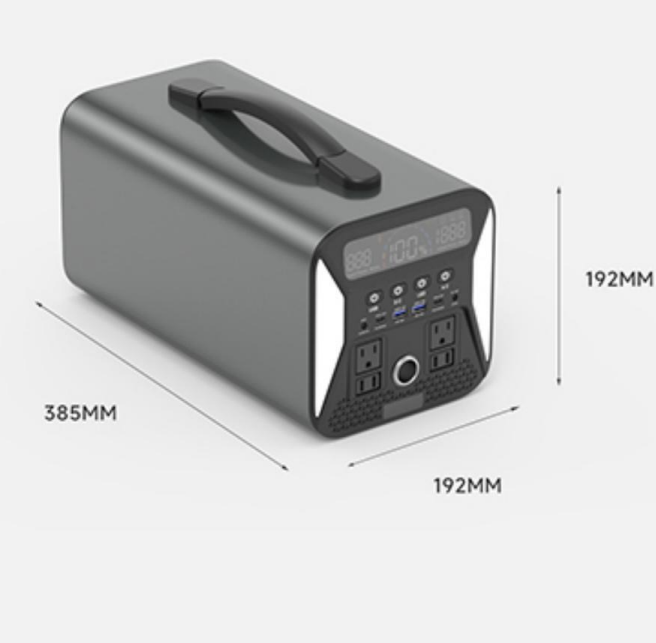
CTORCH
Since 1999

MPPT Solar Panel Charge

Where you are, where the power is.

Product Parameter



AC Output: 220V 50Hz&110V 60Hz	Cell Type: LiFePO₄
DC Output: 12V10A	DC Input: 20V5A
Type-C1 Output: PD100W 5V3A/9V2A 12V1.5A	
Type-C2 Output: PD60W 5V3A/9V2A 12V1.5A	
USB1 Output: QC3.0 5V2.4A/5V3A/9V2A12V1.5A 22.5W(MAX)	
USB2 Output: QC3.0 5V2.4A/5V3A/9V2A12V1.5A 22.5W(MAX)	
Capacity: 320000mAh(1000Wh)	Output waveform: Pure Sine Wave
DC Input: Grid Charge/Car Charge/Solar Charge	SOC Display: LCD
Dimension: 385x192x192mm	Weight: 12.5Kg

1000W High Power

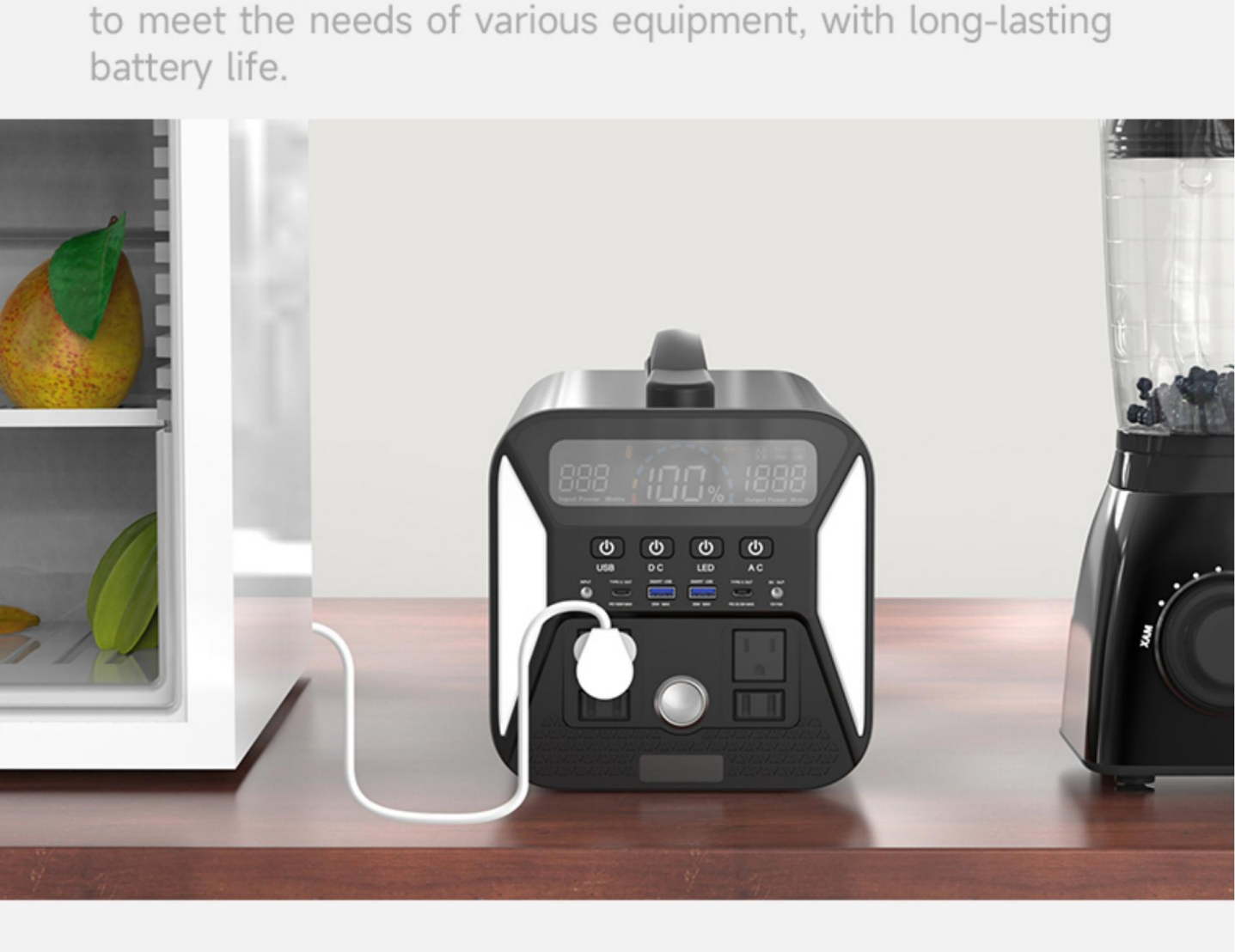
Travel with electricity. One is enough.

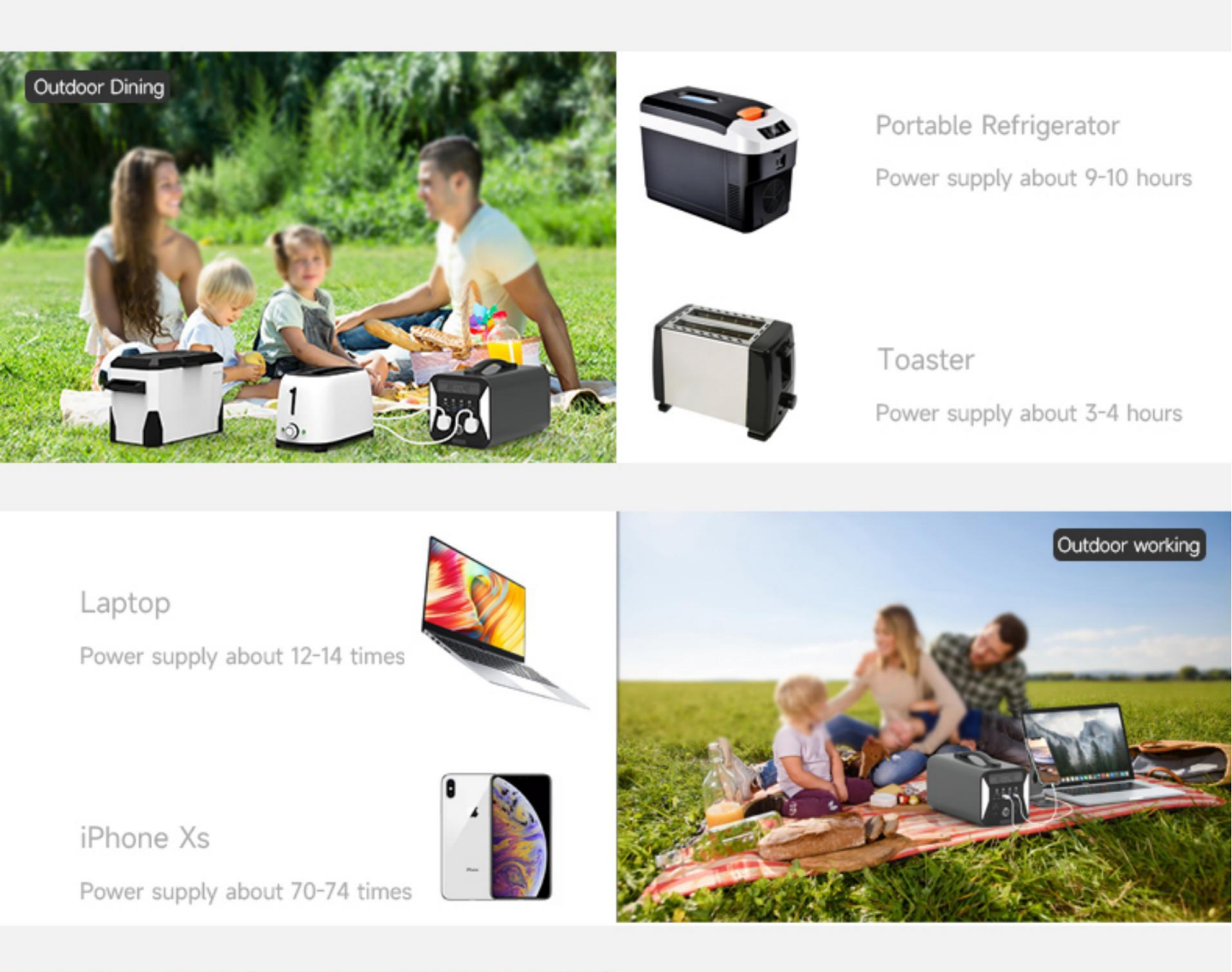
Bring 1000W high-power outdoor power supply with your trip, it can supply power to your road trip devices, such as: camera, portable refrigerator, rice cookers, small kettles and other equipments need power. Even if you looking for a small party outdoor, lights, music and food can be ready at any time.
This is the idea for your convience power, and happy trvaling.

320000mAh High Capacity

Enjoy the Convience of Portable

With automotive-grade batteries, not only more durable than ordinary cells, but also have good improved cycle life. 1000WH large capacity, multiple output and input methods, to meet the needs of various equipment, with long-lasting battery life.





Portable Refrigerator
Power supply about 9-10 hours

Toaster
Power supply about 3-4 hours

Laptop
Power supply about 12-14 times

iPhone Xs
Power supply about 70-74 times

SLR Camera
Power supply about 56-64 hours

UAV
Power supply about 20-24 times

The above data sourced from our UA lab,
The test data could be affected depends on the environment, usage, equipment specifications, etc.
This test data is for reference only

Fan-less Heat Dissipation

Quiet down to 30db

Fanless heat dissipation,
metal heat conduction can achieve a good heat dissipation,
to ensure the battery can work stably
and have longer service life.

30
10dB
20dB
dB
40dB
50dB

Fan Cooling

- Dust can easily enter
- Loud noise
- Poor heat dissipation

Fan-less

- Good mute effect
- Self-cooling system
- Good sealing

Multiple Charging Methods

Not restricted to only one way no more

Choose the charging method according to the application,
Standard adaptor charger for grid charging at home,
Also car charger, solar panel for outdoor travel.
Plug and charge anytime, anywhere.

Adaptor Charger Charging

Adaptor Charger Charging

20V 5A Charging takes only 15 hours

Solar Panel Charging

Solar Panel Charging

100W solar panel takes 20 hours to fully charge.
(Sunlight intensity will affect charging time)

Car Charging

Car Charging/Cigarette Lighter Charging

100W power input takes only 20 hours to fully charge

Multi-function Output Fast Charging

Support PD100 fast charging solution

Support Huawei 22.5W super fast charge

-Supports PD100W fast charging solution on Type-C port, compatible with QC3.0 fast charging protocol.
-MacBook can charge 4 times faster, supports Apple's 12PD 20W Flash Charging.
-The blue USB-A port can compatible with multi-protocol and supports Huawei 22.5W super fast charging.

PD
100W
QC3.0
22.5W

Multiple Protection

Intelligent BMS Management System

Adopt certified battery cells, stable performance.
With intelligent BMS management, safe and reliable.

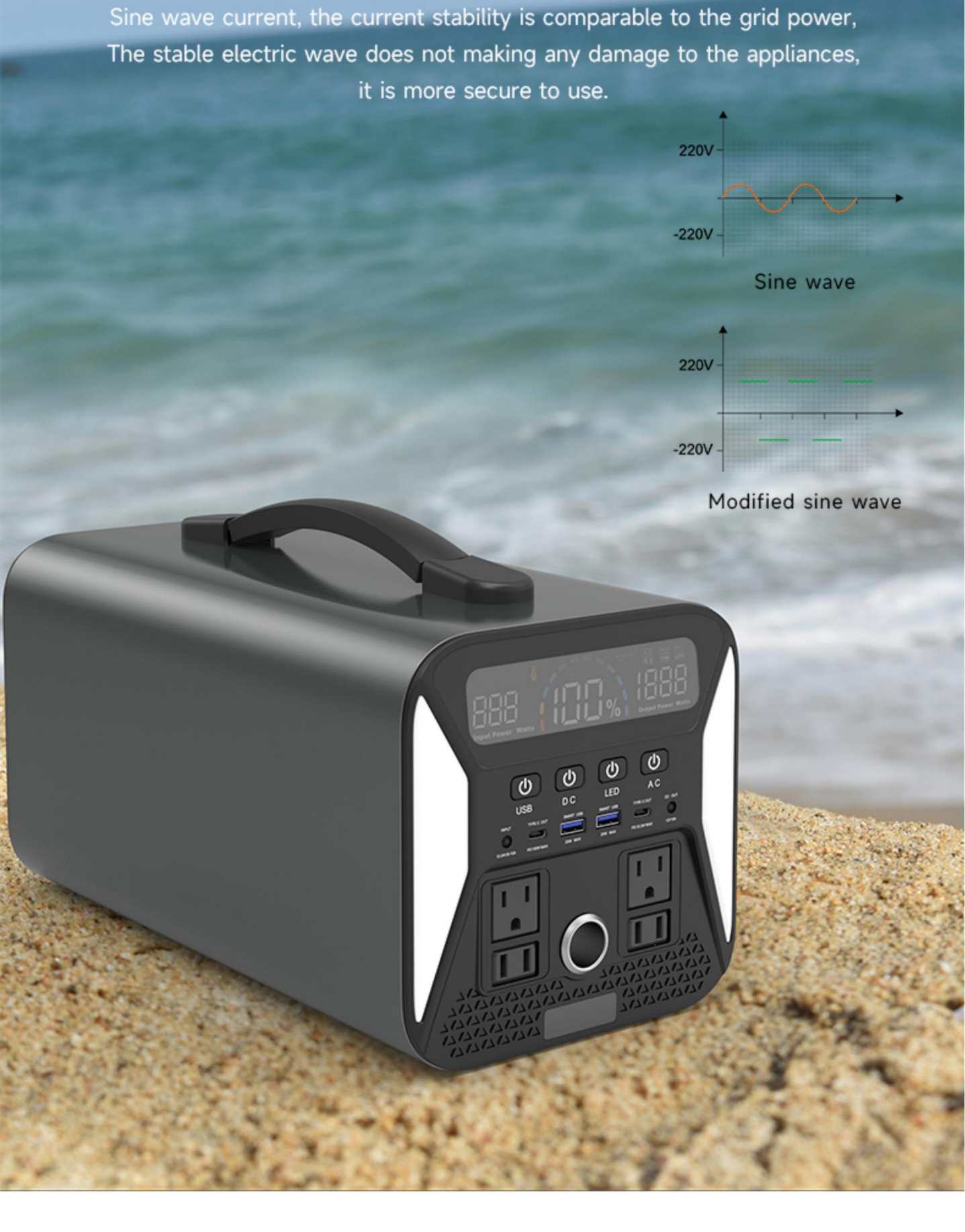
5000> Life Cycle	<1mΩ Low Internal Resistance	Low Serises	CE UL PSE RoHS Certifications

- Peak Current Impulse Protection
- Over Current Protection
- Over Discharge Protection
- Multi-level Power Protection
- Over Charging Protection
- Short Circuit Protection
- Short Circuit Protection
- MOS Power Temperature Protection
- Real-time Temperature Detection and Protection

Pure Sine Wave Output

Ideal sine wave
Stable and No Damage

Sine wave current, the current stability is comparable to the grid power,
The stable electric wave does not making any damage to the appliances,
it is more secure to use.



Details

LED Lighting