Introduction

OPS1200 Portable Power Station

OPS1200

1098Wh
300000mAh

1300W
Inverter

AC OUTPUT | DC OUTPUT | USB OUTPUT | TYPEC | QC 30

CE FC UN38.3 MSDS

Laptop | Camera | TV/Radio | Car Fridge | Fan | CPAP

Contents

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OPS1200 Product Introduction

OPS1200 Introduction

OPS1200 structure is based on a highly innovative design, It's an off-grid portable battery system, also called portable solar generator/energy storage system/power box/AC power bank, etc.

It can help you easily get rid of power shortage, enjoy freedoms of electricity.

- It's used for charging your electronic equipments whenever you need power.

- It's small and mobile, you can carry it to everywhere

OPS1200 Product Introduction

Battery & Inverter & Controller

Battery Type: lithium ion batteries

Capacity: 300000mAh, 3.66V/1098Wh

Inverter: Pure Sine Wave

BMS Battery System

Input

1×DC7909 Input: Adapter 5-28V/6A

1×Anderson Input: 18V/6A

Fully Charged Time: Adapter: 7-8h

Input

1×USBC: PD100W

Fully Charged Time: Adapter: 12- 13 hours

Output

AC: Rated Power 1200W; Peak Power 2400W

(100V-220V/50Hz-60Hz; can be customized)

DC: 3*DC5521: 12-13V/10A

2×USB-A: 5V/2.1A

2×USB-A: QC3.0, 18W

1×TYPE-C Input/Output: PD 100W

1×TYPE-C Output: PD 100W

2×Cigar Lighter: 12-13V/10A

1×WIRELESS Output: 15W

Size

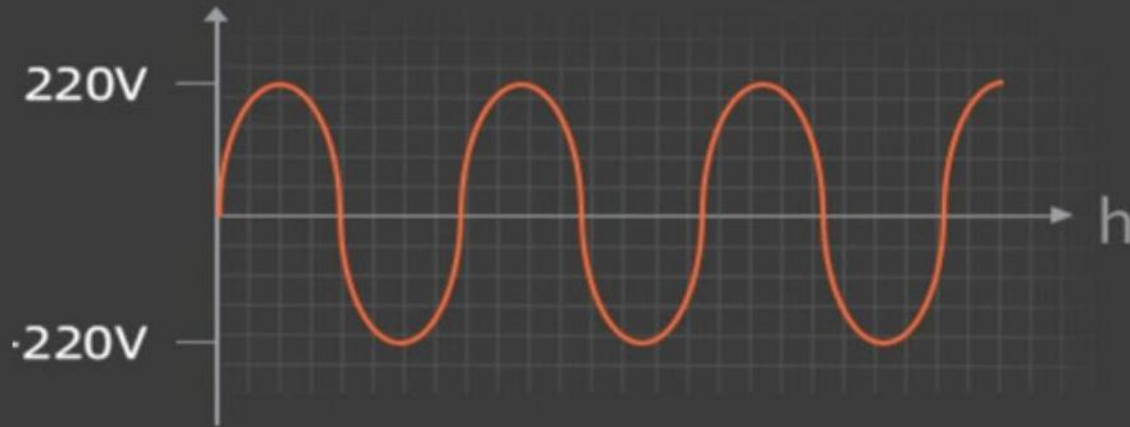Dimensions: 338x247x245 mm

Weight: about 11.6KG
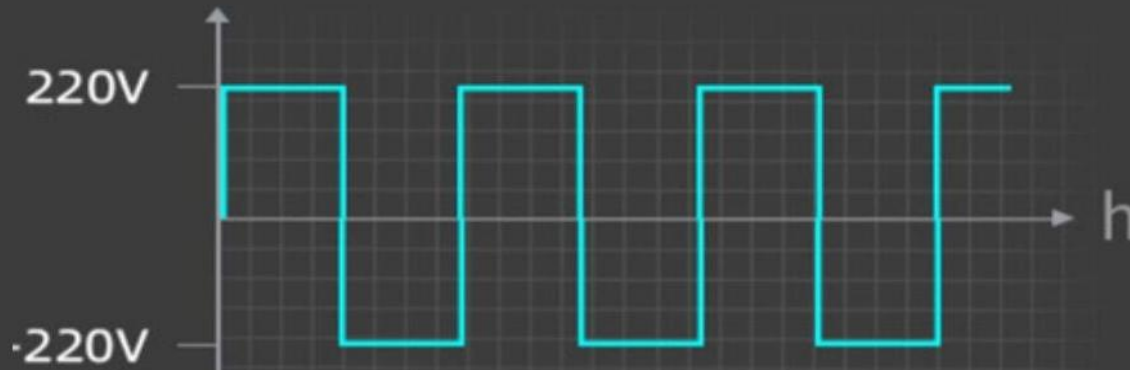
OPS1200 Specifications

Model	OPS1200 Portable Generator
Battery capacity	300000mAh, 3.66V=1098Wh
Battery type	21700 Lithium - ion battery
Inverter	Pure sine wave 1300W
Fully charged time	DC7909 5-28V/6A: 7-8 Hour · Anderson 18V/6A 11-12 hour
Input recharging	Adaptor:5-20-8V/6A MAX USBC: PD100W Solar panel: MPPT, 20V, 5A
DC Input	1*DC7909:5-28V/6A
AC output	Ratedpower:1200W Peak power:24000W 110V-220V,50Hz-60Hz (can be customizable)
Output	3*DC5521:12-13V/10A 2×USB-A: 5V/2.1A 2×USB-A: QC3.0, 18W 1×TYPE-C Output: PD 100W 1×TYPE-C Input/Output: PD 100W 2×Cigar Lighter: PD 27W 1×Wireless Output: 15W
11W Flashlight	Three kinds of brightness LED light /Strobe /SOS
Power indicator	LCD control panel
Lifecycle	>500 cycles
Size W*D*H	338x247x245 mm
Weight	About 11.6Kg
Charge method	AC/DC
What's in the box	1xportable power station , 1x power adapter , 1x user manual
Solor panel(purchase separately)	100W

Pure Sine Wave

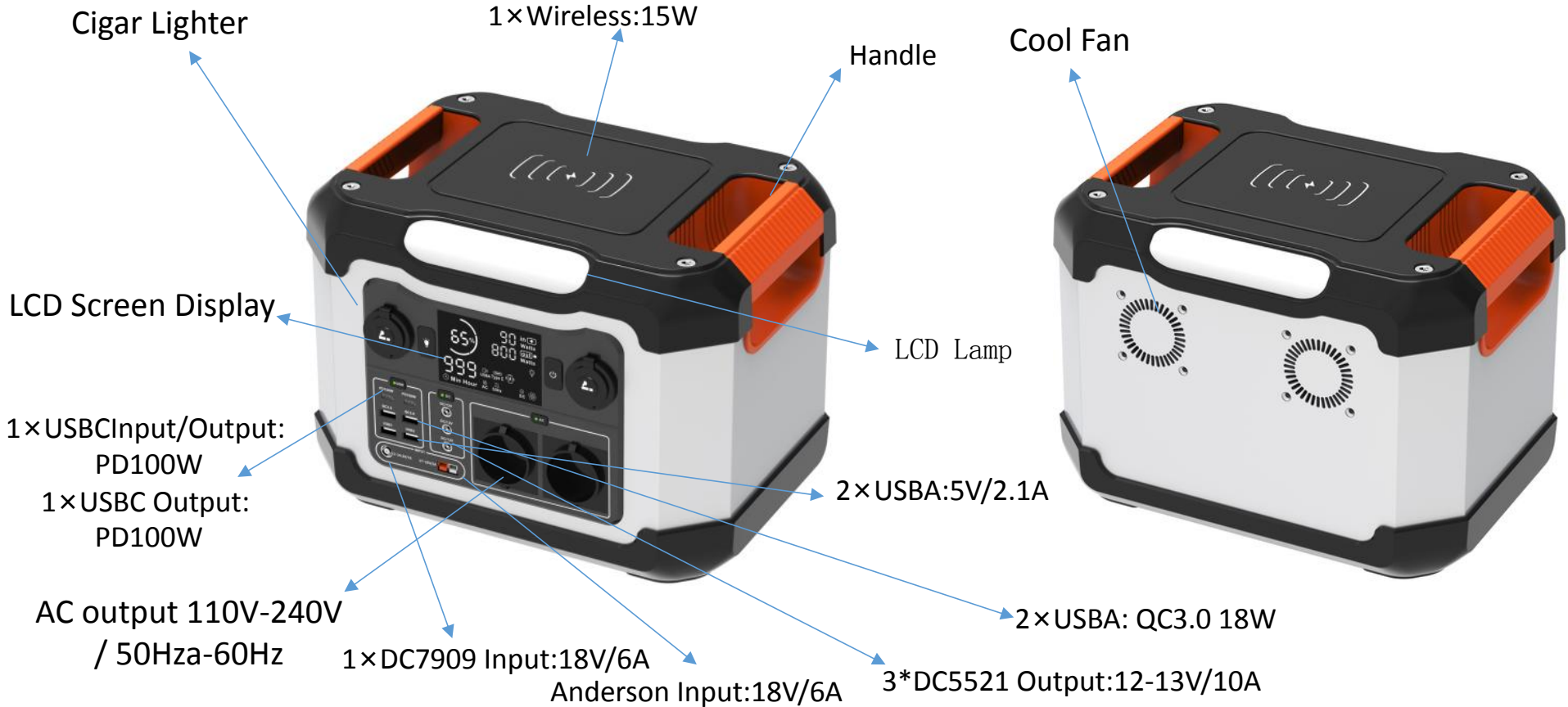Pure sine wave that can protect your body and your electronic products.

220V

·220V

h

Pure Sine Wave

220V

·220V

h

Modified Sine Wave

OPS1200 Specifications

Cigar Lighter

1×Wireless:15W

Handle

Cool Fan

LCD Screen Display

LCD Lamp

1×USBCInput/Output:
PD100W

1×USBC Output:
PD100W

2×USBA:5V/2.1A

AC output 110V-240V
/ 50Hza-60Hz

1×DC7909 Input:18V/6A

Anderson Input:18V/6A

2×USBA: QC3.0 18W

3*DC5521 Output:12-13V/10A

OPS1200 structure

1. BMS Battery System

MCU Solution:TI, Renesas

Function:

Over-Current Protection

Over-charge Protection

Over-discharge Protection

Temperature Protection

Balanced battery capacity

3. Control board

Master chip: , MCU-ST, DCDC

Function:

Support 100W Input and Output
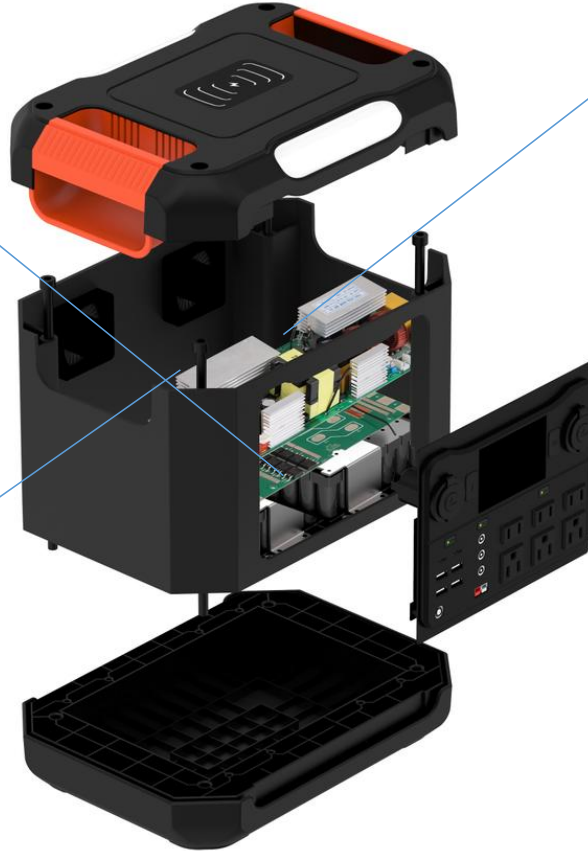
2. Inverter

MCU Solution: ST, Microchip

Function: DC To AC

--TECHNICAL

Solution

MPPT   Charging

Inverter

MCU、DSP、PLC

Remote   monitor

BMS

Thermal   Control

Non-standard   auto. Device

OPS1200 Specifications

☆ AC Socket: Can be customized according to different countries/areas.

☆ Color: Can be customized according requirement.

Key Features

1. It has an 300,000mAh battery capacity which can charge multiple devices simultaneously

2. A built in BMS system that protects the battery against overcurrent and overvoltage

3. It weighs only 11.6KG and has an ergonomic handle for portability

4. It has an big LED Camping light, Quick/Slow flash, Weak/Strong Light/SOS Multifunction

5. USBC PD100W Input and Output

6. It has a built-in power inverter that ensures quiet operation

7. A multifunctional LCD screen that indicates the remaining energies such as charge, discharge, and AC output status

8. Up to 3 recharging modes, which include AC wall adapter, USBC Input, and solar panel

Portable Power Station market
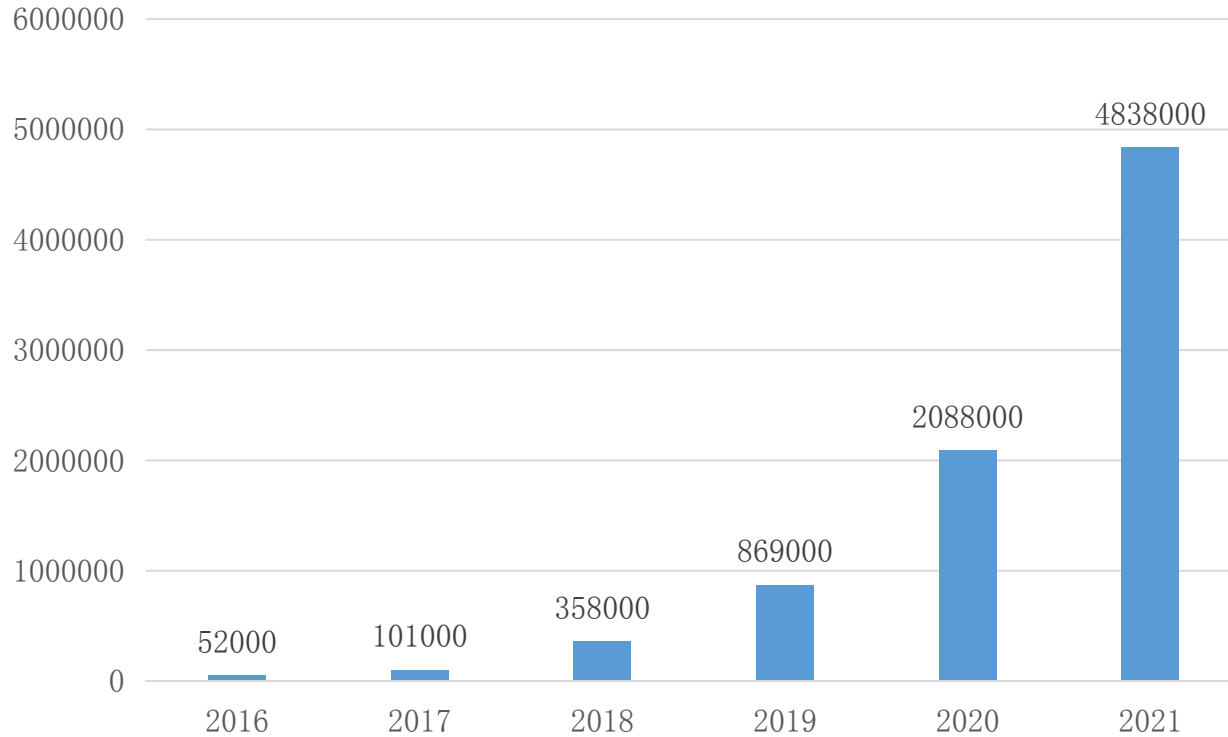
2016-2021 Global portable power station shipments：Units（pcs）

Portable Power Station market

Year	Value
2016	60
2017	120
2018	470
2019	1340
2020	4260
2021	11130
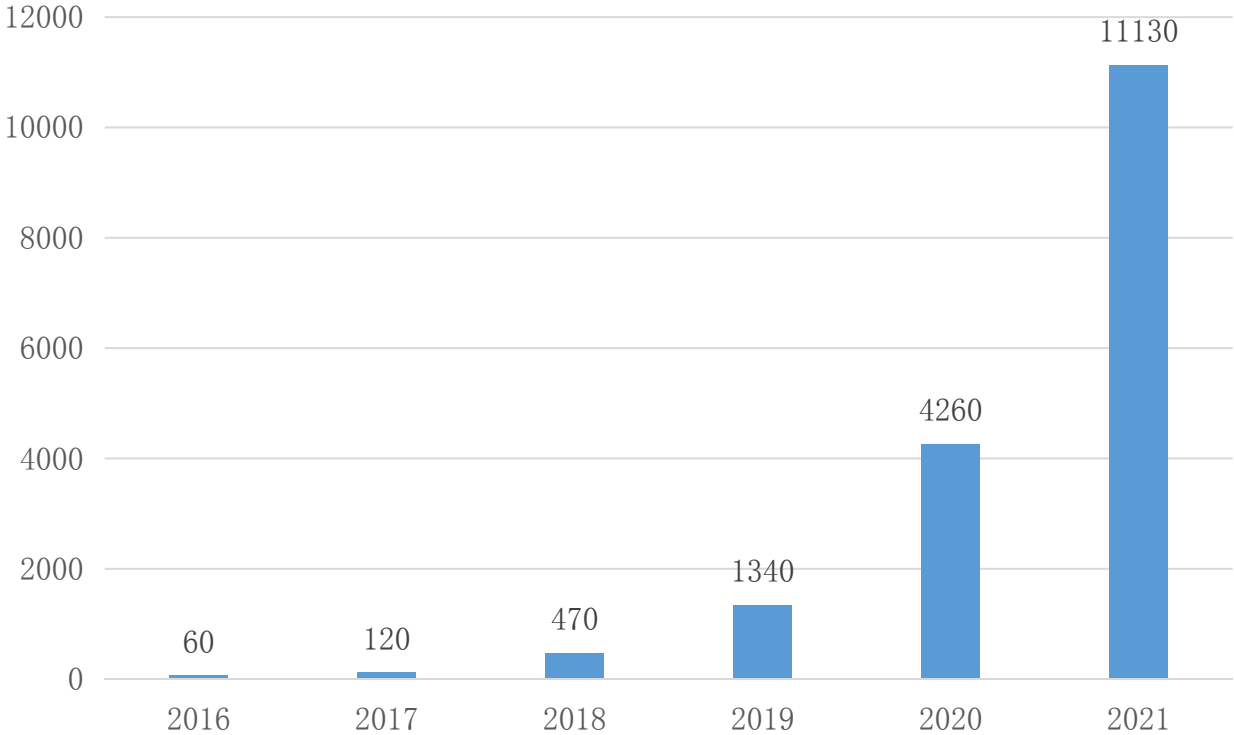
■ 2016-2021 Global portable power station market scale：Million（CNY)

OPS1200 Certifications

OPS1200 are with CE(European), PSE(Japan), FCC(America) certificates. moreover, ROHS reports for environment-friendly materials, MSDS, UN38.3 reports for global shipment transportation.

OPS1200 Accessories & Packing

OPS1200- Packing

Product Size	338*245*247mm
Product Weight	11.6kg
Color Box Size	397*300*335mm
Weight/Set	12.5KG
Quantity/Carton	1pcs/ctn
UN Carton Size	405*305*340mm=0.042CBM
New Weight/Carton	11.6kg
Gross Weight/Carton	12.5KG
1CBM=23 cartons= 23pcs	
20GP= 644 carton= 644pcs	
40GP= 1334 cartons=1334pcs	
40HP= 1564 cartons= 1564pcs	

What's In The Box

Power Station*1
AC Adapter*1
User Manual*1

Power Station Produce

2
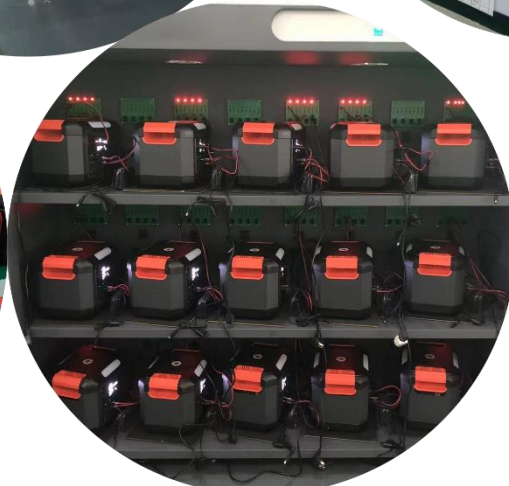
How To Use OPS1200

How To Use OPS1200

It is a plug-and-play machine, just need to plug the power cable of your devices into the socket of OPS1200, then long press the button to turn it on

11W LCD flashlight function:
There are five models of lighting

When flashlight in off status
Long press the light switch: Turn on the light (50%)
Press it again: Adjust the brightness (70%)
Press it again: Adjust the brightness (100%)
Press it again: go into SOS mode
Press it again: go into flash mode
Press it again: Turn off the light

Lithium Power Generator: OPS1200
For home Appliances

Computer
180W

Light
10W

Car Vacuum cleaner
120W

Car Air Purifier
120W

Laptop
50W

Digital Devices
10-15W

Car Refrigerator
50W

Television
80W

Electric Fan
50W

It can charge for different devices:

1. AC Output:
- 60W 32" TV: 19hours+
- 60W Laptop: 19hours+
- 60W Standing Fan: 19hours+
- 40W CPAP: 26hours+
- 50W Drone: 21-22times

2. DC Output:
- 60W Car Fridge: 19hours+
- 60W Car Vacuum Cleaner: 19hours+
- 90W Car Air Compressor: 11hours+
- DC5W LED Bulbs: 215hours+
- 24W LED Tube: 45hours+

3. USB Output:
- Iphone 8-Plus: 73times+
- Ipad Pro: 28times+
- GoPro: 171times+
- 15W Camera: 71times+
- Bluetooth Speaker: 243times+

How To Recharge OPS1200

4 Ways to Recharge

Wall Socket
(Adapter included)

Car Cigarette

USBC Cable

Solar Panel
(Purchase Separately)

1- Recharge from AC Adapter:
within 7-8 hours

2- Recharge from Car Port:
within 9-10 hours

3- Recharge from USBC Port 100W:
within 11-12 hours (in full sun)

3- Recharge from Solar Panel 40W:
within 11-12 hours (in full sun)

What We Do

Handy Power

OPS150

AC Out: 150W
Capacity: 115.2WH

OPS200

AC Out: 200W
Capacity: 172.8WH

OPS300

AC Out: 300W
Capacity: 288WH

OPS600

AC Out: 600W
Capacity: 576WH

OPS1200

AC Out: 1200W
Capacity: 1098WH

3

OPS1200 Applications

What can OPS1200 do for you?

Provide Power To A Wide Range of AC Devices(rated under 1300W)

TV, Projectors, Standing Fan, Laptop, Small Fridge, Camera, Small Blenders, Pellet Smoker, etc

DC & USB Devices

DC Fan, DC LED Bulbs, Smartphones, Tablets, Laptop, CPAP, Drones, Camping Lights, etc

DC-Cigarette Lighter Port for Car Appliances

Car Coolers, Air Pumps, Car Vacuums, Car Rice Cooker, Car Air Purifier, etc

Outdoor Activities:

Camping   Traveling

Climbing   Fishing

Hiking   Hunt

Adventure Business

Caravan:

RV

Camper Van

Yacht

OPS600-For Emergency Backup

Emergency Backup:

Power Shortage

Power Shut-Down

Typhoon/Hurricane

Earthquake/Disaster

Night Market:

Street Vendor Night Market

Drone/UAV:

Drone Charging Enthusiast Party

CPAP/BIPEP:

CPAP Medical Rescue

Home Power:

Daily Power Suppl Rural Area Remote Area Island

FAQ

About OPS1200 Safety

1- Over-Voltage Protection

2- Over-Current Protection

3- Over-charge Protection

4- Over-discharge Protection

5- Short-Circuit Protection

6- Over-Load Protection

7- Over-Temperature Protection

8- Electrostatic protection

9- Power protection

01

02

03

What devices can OPS1200 power for?

Working time = 1098Wh* 0.90 / operating power of your device.

What devices can OPS1200 power for?

Please note that the AC output port can only charge/power devices that operate at less than 1300-Watt.

OPS1200-Global Market

Thank you!

OPS1200

1098Wh
300000mAh

1300W
Inverter

AC OUTPUT · DC OUTPUT · USB OUTPUT · TYPEC · QC 3.0

CE FC UN38.3 MSDS

Laptop · Camera · TV/Radio · Car Fridge · Fan · CPAP