

SPECIFICATION

PART NO. : 10102665

MODEL NO. : UPP-1200 Series (EU)

DESCRIPTION : EU Standard,1000Wh,AC 1200W 230V ,PV
200W,DC 120W,QC3.0*2+PD60W+PD18W

VERSION NO. : V0.9

DATE : 2021-08-04

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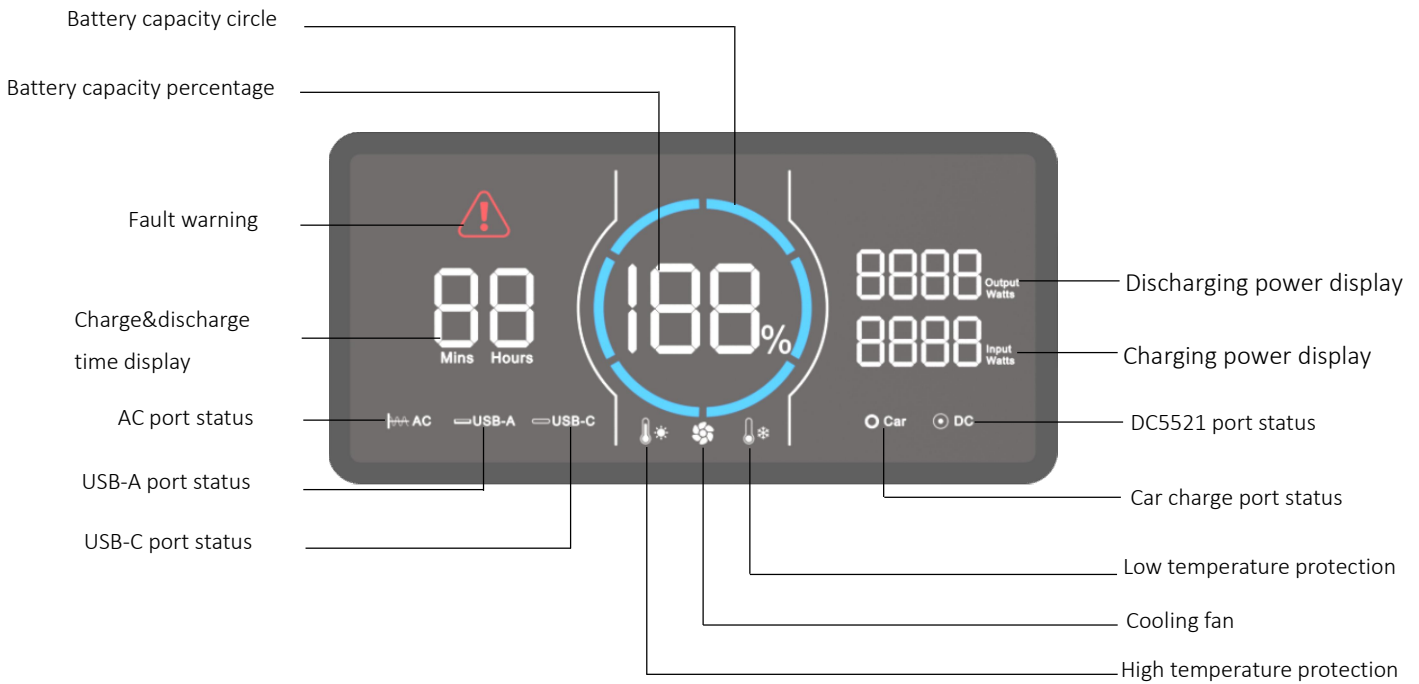
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General Description

This product is a high-end fashion off-grid portable power station, independently developed by Shenzhen Pordie Energy Technology Co., Ltd. Light and portable, stylish and generous, using automotive-grade LiFePO4 battery, safe, reliable, and durable; providing 230V /12V/5V AC and DC output, suitable for various equipment such as aerial drones, portable ventilators, medical equipment, mobile phones, tablets, laptops, desktop computers, small printers, various lamps, small fish tanks, photographic equipment, electric balance wheelbarrows, etc. It's convenient for users to use at home, travel, outdoor work, camping picnics, mountaineering adventures, etc.

| Model# | AC Output Power | Battery | Pack Way | Battery Capacity |
|----------|-----------------|------------------------------|--------------------|------------------|
| UPP-1200 | 1200W Max. | 32135 LiFePO4 15.5Ah/3.2V | 10S2P (31Ah/32V) | 992WH |





1、 Control and display

| Item | Features | Notes |
|---|--|--|
| Main power button | Master switch for each function (except lighting) | Long press for 2S to turn on or off the main power supply, when it is turned on, a circle of LED lights around the button will light up |
| DC power button | Control car charger and DC5521 output or turn off | When the main power switch is turned on, lightly press the button to turn on the car charger and DC5521 output; press it again to turn off. Automatically turn off the output if no equipment access, overload, short circuit, over temperature protection, etc. are detected within 12 hours |
| AC power button | AC output control switch | When the main power switch is on, press the button lightly to turn on the AC output; press it again to turn off. After 12 hours, no device access, overload, short circuit, over temperature protection, etc. are not detected and the output is automatically turned off |
| LED lamp power button | Control LED lighting on or off | Press the button once (no need to turn on the main switch), the LED brightness is 50%, press again to be 100%, press again to SOS signal, press again to turn off, and then cycling in turn. The LED lighting module is not controlled by the main switch |
| Battery capacity circle and battery capacity percentage | Battery level display when charging or discharging | When charging, the battery capacity percentage is displayed in the middle, and the blue circle circulates in the form of a marquee. When the product is fully charged or the charger is disconnected, the battery indicator stops. The percentage and outer circle are displayed according to the actual battery.. When discharging, the battery capacity percentage is displayed according to the actual power. The blue circle decreases in percentage accordingly. |
| Charging/discharging power display | Display charging/discharging | If the charging power is greater than the discharging power, the charging power is displayed; if the discharging power is greater than the charging |

| | | |
|-------------------------------------|---|---|
| | power | power, the discharging power is displayed. |
| Remaining charge/discharge time | Display remaining charge/discharge time | Real-time display of remaining charge/discharge time according to current battery capacity and charge/discharge power. Display logic: when the time exceeds 1 hour, it is displayed in X.Y hours, and when the time is less than 1 hour, it is displayed in minutes. |
| Fault/protection warning | Indicates that the product is in a fault state | When the output interface is overloaded, short-circuited, or the internal temperature is too high or too low, the icon will be displayed, and the icon will be closed after troubleshooting. |
| High temperature protection warning | Indicates that the battery temperature is too high | When the internal temperature is too high, the icon will be displayed, and the icon will be closed when the temperature is restored |
| Low temperature protection warning | Indicates that the battery temperature is too low | When the internal temperature is too low, the icon will be displayed, and the icon will be closed when the temperature is restored |
| Fan on indicator | Indicate fan working status | When the fan is on, the icon is displayed. When closed, the icon goes out. |
| Car charger port status indication | Indicate the working status of the car charger port | When the car charger is turned on, the icon is displayed, when it is turned off, the icon is off |
| DC5521 port status indication | Indicate the working status of DC5521 port | When DC5521 turns on the output, the icon is displayed, when it is turned off, the icon goes out |
| USB-C port status indication | Indicate the working status of USB-C port | When USB-C turns on the output, the icon is displayed, when it is turned off, the icon goes out |
| USB-A port status indication | Indicate the working status of USB-A port | When USB-A turns on the output, the icon is displayed, when it is turned off, the icon goes out |
| AC port status indication | Indicate the working status of AC port | When AC turns on the output, the icon is displayed, when it is turned off, the icon goes out |
| Backlight | / | When there is a button operation, it is fully lit., when no button operation is detected for 5 minutes, the screen backlight is off. When charging, it is fully lit, and if no button operation is detected for 5 minutes, the screen backlight is off. When the charge is removed, 30% brightness, it will go out automatically without operation after 5 minutes. |
| Power button breathing light | / | When charging, discharging, and standby, the breathing light flashes, and the breathing light goes out during sleep.. |

2、DC Input Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------------|--------|-------|---------|---|
| Input voltage range | Vin | Vdc | 12-30 | The product comes standard with 24V/8.3A adapter, Intelligent identification MPPT 240W Max. |
| Input current range | Iin | A | 0-8.3 | |
| Adapter charging time | / | Hrs | 5-7 | |
| Solar panel charging time | / | Hrs | / | The maximum charging time depends on the light intensity and solar panel power |
| Maximum charging interval time | / | month | 6 | Store power >= 50% |
| Input port | / | / | / | DC7909 female end, middle and inner ring are positive, outer ring is negative |

3、DC Output Characteristics

3.1、Car Charger Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|---------|--|
| Output voltage range | Vo | Vdc | 12 | / |
| Output current range | Io | A | 10 | / |
| Overload protection | / | A | 11 | When the output current exceeds this current limit, the output will be turned off. After the overload is released, the output must be restored by pressing the DC switch manually. |
| Short circuit protection | / | / | / | If the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, you need to manually press the DC switch to restore the output. |
| Output port | / | / | / | One cigarette lighter output |

3.2、DC5521 Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|---------|--|
| Output voltage range | Vo | Vdc | 12 | / |
| Output current range | Io | A | 10 | Two DC (5521) are output in parallel, and the total current with the car charger (cigarette lighter) is less than 10A. |
| Overload protection | / | A | 11 | When the output current exceeds this current limit, the output will be turned off. After the overload is released, the output must be restored by pressing the DC switch manually. |
| Short circuit protection | / | / | / | If the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, you need to manually press the DC switch to restore the output. |
| Output port | / | / | / | Two DC5521 parallel outputs |

4、USB-A Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|---------|---|
| Output voltage range | Vo | Vdc | 5.0 | The default output is 5V, the QC protocol is automatically recognized, and output corresponding voltage, QC3.0/QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A |
| | | | 9.0 | |
| | | | 12.0 | |
| Output current range | Io | A | 3 | @5.0V |
| | | | 2 | @9.0V |
| | | | 1.5 | @12.0V |
| Overload protection | / | W | 18 | When the output power exceeds the maximum power, the output will be turned off. After the over-power state is released, you need to manually press the USB switch to restore the output.. |
| Short circuit protection | / | / | / | When the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, you need to manually press the USB switch to restore the output. |
| Output port | / | / | / | Two USB-A independent outputs |

5、USB-C (PD60W) Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|---------|---|
| Output voltage | Vo | Vdc | 5.0 | Automatically recognize the PD protocol and output the corresponding voltage. PD3.0, PD2.0, QC3.0, QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A, |
| | | | 9.0 | |
| | | | 12.0 | |
| | | | 15.0 | |
| | | | 20.0 | |
| Output current | Io | A | 3 | |
| Overload protection | / | A | 3.3 | If the output current exceeds this current limit point, the output will be turned off. After the overcurrent is released, re-plug the device to restore the output. |
| Short circuit protection | / | / | / | If the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, re-plug the device to resume output. |
| Output port | / | / | / | One USB-C output |

6、USB-C (PD18W) Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|---------|---|
| Output voltage range | Vo | Vdc | 5.0 | Automatically recognize the PD protocol and output the corresponding voltage 5V. PD3.0, PD2.0, QC3.0, QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A, |
| | | | 9.0 | |
| | | | 12.0 | |
| Output current range | Io | A | 3 | @5.0V |
| | | | 2 | @9.0V |
| | | | 1.5 | @12.0V |
| Overload protection | / | W | 18 | If the output current exceeds this current limit point, the output will be turned off. After the overcurrent is released, re-plug the device to restore the output. |
| Short circuit protection | / | / | / | If the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, re-plug the device to resume output. |
| Output port | / | / | / | One USB-C output |

7、AC Output Characteristics

| Parameter | Symbol | Unit | Typical | Remarks |
|--------------------------|--------|------|----------|--|
| Output voltage range | Vo | Vac | 230 | / |
| Output power | Po | W | 1200 | |
| Peak output power | / | W | 3600 | Duration \cong 200mS |
| Output AC frequency | F | Hz | 50 | 50/60Hz can be switched |
| Output AC waveform | / | / | / | Pure Sine wave |
| Overload protection | / | W | 100-110% | If the overload last for 1 minutes, the output will be turned off. After the over current is released, you need to manually press the AC switch to restore the output. |
| | / | W | 110-135% | If the overload last for 20s, the output will be turned off. After the over current is released, you need to manually press the AC switch to restore the output. |
| Short circuit protection | / | / | / | If the output terminal, wire or external device is short-circuited, the output port will stop output. When short-circuit is removed, you need to manually press the AC switch to restore the output. |
| Output port | / | / | / | AC 2PIN European socket, 2 parallel outputs |

8、LED Lighting Output Characteristics

| Parameter | Symbol | Unit | Min. | Typical | Max. | Remarks |
|-------------------|--------|------|------|---------|------|---------|
| Output power | / | W | 3.5 | 7 | 8 | / |
| Luminous flux | / | lm | / | 700 | / | / |
| Color temperature | CCT | K | 3850 | 4000 | 4150 | / |
| CRI | CRI | / | 80 | / | / | / |

9、Battery Pack Parameters

| Parameter | Symbol | Unit | Min. | Typical | Max. | Remarks |
|------------------|--------|------|------|---------|------|----------------------|
| Cell model | / | / | / | / | / | 32135 LiFePO4 |
| Pack method | / | / | / | / | / | 10 series 2 parallel |
| Voltage | / | Vdc | / | 32 | / | / |
| Battery capacity | / | Ah | / | 31 | / | / |

10、Environmental Requirements

| Parameter | Symbol | Unit | Min. | Typical | Max. | Remarks |
|---|--------|--------|------|---------|------|--|
| Working temperature (ambient temperature) | °C | degree | 0 | -- | 45 | / |
| Working humidity | / | / | 10% | -- | 90% | / |
| Storage temperature | °C | degree | -20 | -- | 65 | / |
| Storage humidity | / | / | 5% | -- | 95% | / |
| Altitude | n | meter | -50 | -- | 3000 | / |
| Cooling method | / | / | -- | | | Air-cooled convection heat dissipation |

11、Other Characteristics

| Parameter | Symbol | Unit | Min. | Typical | Max. | Remarks |
|-----------|--------|-----------|---|---------|------|---------|
| Lifespan | Lf | year | 3 | | | -- |
| Weight | N.W | g | 1100 | | | -- |
| Dimension | DIM. | mm (inch) | L*W*H 330*220*289 (12.99*8.66*11.38) | | | -- |

Remarks: Unless otherwise specified, all the above parameters are measured under the fully loaded state of the product and at 25°C.

12. Safety Regulation

| Certification | Safety standard | Status | Remarks |
|---------------|-----------------|-----------|---------|
| FCC | | Pass | |
| CE | | Pending | |
| ROHS | | Complaint | |
| UN38.3 | | Pass | |

13. Electromagnetic Compatibility

| EMI/EMS Item | Standard | Criterion |
|---------------|------------------|-----------|
| Conduction CE | FCC part 15 | Class B |
| Radiation RE | FCC part 15 | Class B |
| Harmonic | IEC/EN 61000-3-2 | Class C |

14. Safety Test Projects

| Safety test | Technical requirement | Remarks |
|-----------------------|-----------------------|---|
| Surge | 1500Vac/5mA/60S | AC output-ground, no breakdown, no arcing |
| Insulation resistance | ≥100Mohm | AC output to ground, test voltage 500Vdc |
| Leakage current | ≤0.75mA | 220Vac |

16. Accessories List

| No. | Accessory name | Quantity | Remarks |
|-----|--------------------------------------|----------|---------|
| 1 | UPP-1200(EU) | 1 | |
| 2 | Adapter 24V/8A | 1 | |
| 3 | Car charger to DC7909 charging cable | 1 | |
| 4 | User manual | 1 | |
| 5 | Warranty card | 1 | |

17. Packaging

- Net weight : 11kg
- Quantity : 1pc
- Package size : L*W*H=430*300*370 mm (16.93*11.81*14.57 inch)
- Gross weight : 14.5kg



Precautions

- If the product packaging is damaged, please confirm whether the appearance of the product is complete, and the external structure of the product is not allowed to have cracks.

Transportation

- It is suitable for transportation by car, ship, and airplane. During transportation, it should be covered; sun protected and civilized loading and unloading.

Storage

- Product storage should comply with GB 3873-83.
- When storing for a long time, it is recommended to charge it every six months to avoid damage to the battery due to over-discharge.

RoHS:

- Products comply to the European Standard 2011//65/EC

Change Records

| Version No. | Change Content Description | Date | Remarks |
|-------------|----------------------------|------------|---------|
| v0.9 | Initial Draft | 2021/08/04 | |
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