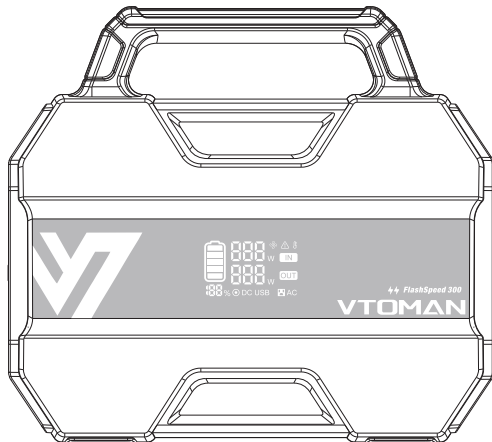


VTOMAN

FlashSpeed 300

PORTABLE POWER STATION

User Manual



Model: PB-82

Please read this manual carefully before use and keep it for future use.

1.PRODUCT HIGHLIGHTS

- **Powerful Output**

300W AC pure sine wave with a peak of 600W.

- **Portable**

Compact and easy to carry, weighing only 7 pounds, ideal for outdoor adventures.

- **Safe**

Integrated LIFEBS & 10 protections with fireproof V0 materials for absolute safety.

- **Long-Lasting Battery**

LiFePO4 battery with 3000+ cycles, offering 6X longer lifespan.

- **MultiPorts Power**

Features 7 outlets for charging multiple devices simultaneously.

- **Ergonomic Design**

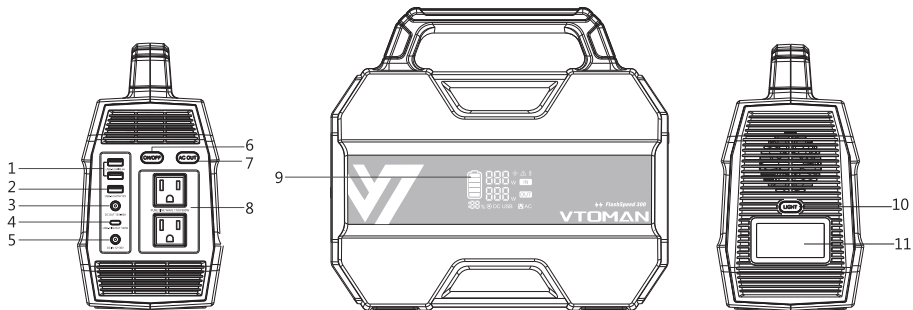
Exceptional comfort and portability with thousands of ergonomics tests.

- **Emergency Light**

Built-in 3-mode LED light for power outages or outdoor exploration.



2.PRODUCT OVERVIEW



- 1.USB-A 5V $\overline{\sim}$ 3.4A
- 2.USB-A 5V/9V/12V
- 3.DC OUT 12V $\overline{\sim}$ 10A
- 4.USB-C IN/OUT 100W
- 5.DC IN 12~30V, 90W Max

- 6.DC & Display On/Off
- 7.AC On/Off
- 8.AC Outlet 110V/300W

- 9.Display
- 10.Light Button
- 11.Flashlight

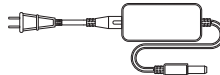
3. PACKAGE CONTENTS



FlashSpeed 300
Power Station X1



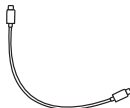
Vehicle Cigarette Lighter Cable X1



AC Adapter & Charging Cable X1



User Manual X1



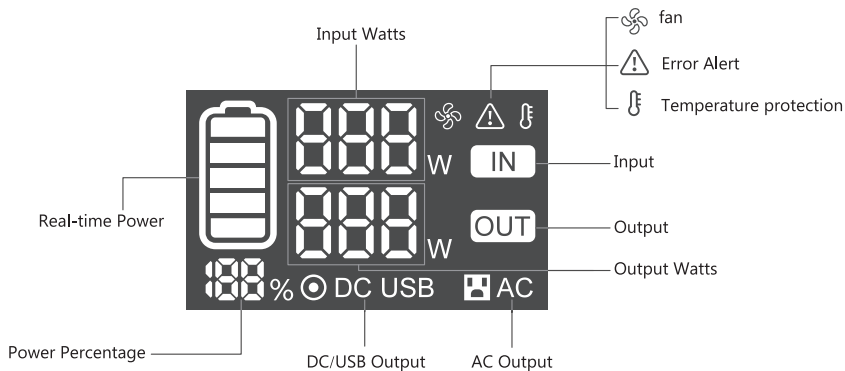
USB-C to USB-C Cable



USB-A to USB-C Cable

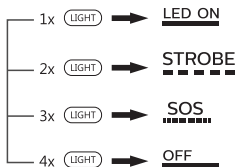
Please carefully check the package contents. If anything is missing or damaged, please feel free to contact Vtoman customer service at service.us@vtoman.com for assistance.

4.DISPLAY SCREEN



5.LED LIGHTS

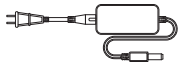
To use the LED lights, simply press the LED switch button to turn it on. There are 3 light modes.



6.RECHARGING

Multiple input options are available for the FlashSpeed 300 Power Station.

AC Adaptor



Car Charger



Solar Panel



USB-C Port (100W PD)



It is highly recommended to fully charge FlashSpeed 300 before using it to charge other devices. To charge the FlashSpeed 300 power station, you can use a wall charger, car charger, or solar panel. It may take 2.5 hours to reach a full charge using the included wall charger. The charging speed when using solar panels is affected by the weather and cloud coverage.

Note: Please charge the product before use.

- **Charging with Solar Panels (not included)**



1. Choose a suitable solar panel (DC12~30V/90W)
2. Solar panels will perform better in open south-facing locations that get direct sunlight. Simply connect the solar panel to your FlashSpeed 300 power station to start charging.
3. When the power station is fully charged, it will stop charging automatically.

Note:

- (1) It is recommended you charge the power station between 0 to 40°C (32 to 104°F).
- (2) Charging times vary depending on the intensity of solar light.
- (3) Make sure that the positive and negative poles of the solar panel are connected correctly.

- **Charging with an AC Wall Charger**



1. Plug the product into socket via the AC wall charger.
2. Please unplug the charger when recharging is finished.

Note:

- (1) It is normal for this product to get warm during charging.

• **Charging Using a Car Charger (with the engine running)**



1. Connect the product and the Cigarette Lighter Socket via the Cigarette Lighter Cable.
2. After starting the engine, the power station will charge.

Note:

- (1) It's important to be aware that it's not possible to fully charge the power station using a 12V car battery. However, a 24V battery is able to fully charge it.

• **Charging using the USB-C Port (100W PD)**



1. Prepare a USB-C power adapter (not included), it is highly recommended to purchase VTOMAN FlashSpeed 300 100W USB-C wall charger separately.
2. Connect the USB-C adapter to the USB-C port on the power station using the provided USB-C to USB-C cable.

7. CHARGING DEVICES

FlashSpeed 300 is a versatile product with a wide variety of ports, and is compatible with a range of devices. Note that it cannot support appliances rated over 300W.

- USB Output: Smartphones, tablets, smartwatches, digital cameras, e-readers, and more.



Smartphones



Tablets



Cameras

- DC Output (12V): Drones, routers, mini-fridges, and more.



Drones



Mini-fridges

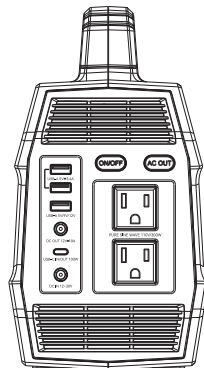
- AC Output: Laptops, projector, electrical appliances, and more.



Laptops



Projector



8. SPECIFICATIONS

Model Name: FlashSpeed 300

Battery Capacity: 230Wh

1x DC Input: 12-30V, 90W Max

1x TYPE-C Input/Output: 5V $\overline{\text{---}}$ 3A, 9V $\overline{\text{---}}$ 3A, 12V $\overline{\text{---}}$ 3A, 15V $\overline{\text{---}}$ 3A, 20V $\overline{\text{---}}$ 5A, 100W Max

2x AC Output: 300W(Peak 600W) Max in total, 110V~60Hz Pure Sine Wave

2x USB-A Output: 5V $\overline{\text{---}}$ 3.4A, 17W Max in total

1x USB-A Output: 5V $\overline{\text{---}}$ 3A, 9V $\overline{\text{---}}$ 2A, 12V $\overline{\text{---}}$ 1.5A, 18W Max

1x DC Output: 12V $\overline{\text{---}}$ 10A, 120W Max

Operating Temperature: -4°F to 131°F

Charging Temperature: 32°F to 131°F

9. FAQ

Q1: What can I power using the AC port?

A: The AC port can power AC appliances rated under 300W.

Q2: Can FlashSpeed 300 be recharged while it is charging something else?

A: Yes, FlashSpeed 300 supports pass-through charging.

Q3: How to calculate the length of time my device can be powered?

A: The working time is calculated as follows: 230Wh multiplied by 0.85, divided by the operating wattage of your device. This may vary depending on specific circumstances.

Q4: Does FlashSpeed 300 include a built-in MPPT controller?

A: Yes, FlashSpeed 300 power stations have a built-in MPPT controller.

Q5: How should the power station be stored in daily life?

A: Fully charge every 3 months for best results and store it between -20 and 45°C (-4 to 113°F). Keep your portable power station away from heat and direct sunlight in order to extend its lifespan.

Q6: Is there a way to extend the operating time of a CPAP?

A: You can turn off the humidifier, the heater, and use a lower pressure.

Q7: Can the AC port power a fridge or air conditioner?

A: It might be possible, but on low power settings and not for an appliance rated over 300W. The power needed to start a fridge or air conditioner is generally 5 to 7 times its rated power, which could easily trigger an AC overload.

Q8: Can two power stations be used in parallel?

A: No.

10.TROUBLESHOOTING

If the product cannot charge or power other devices, please check through the following steps:

1. Make sure the power button is switched on.
2. Make sure the AC and DC power buttons are both on.
3. Check the battery capacity. If it is lower than 10%, charge the power station.
4. Make sure the connected power load does not exceed the limit of FlashSpeed 300 Each port has its own limit.

Error code (Output)	icon	Cause	Solution
E1		Temperature fault	Auto Recover/unplug all charging devices
E2		5V overcurrent	Recover by pressing the DC button
E3		QC short circuit Overcurrent	Recover by pressing the DC button
E4		QC Overcurrent	Recover by pressing the DC button
E5		DC Overcurrent	Recover by pressing the DC button
E6		DC Short circuit and backcharge	Recover by pressing the DC button
E7		AC fault	Recover by pressing the AC button

11.SAFETY INSTRUCTIONS

 **IMPORTANT**
Failing to follow the advice below could result in serious injury or even death.

- Do not disassemble, repair or modify the unit or the battery.
- Do not place the unit near or in fire, or expose it to heat. Keep out of direct sunlight.
- Do not charge, use or store the unit in a bathroom or in an area exposed to rain or moisture.
- Only use the output socket to power external devices. Never connect the output to mains power under any circumstance.

- Do not touch the unit or the plug-in points if your hands are wet.
 - Do not connect any metallic objects to the AC input or output.
 - Do not rub your eyes if fluids from inside the unit should get in your eyes.
 - Do not dispose of the unit together with household waste.
 - Do not use any incompatible power cords.
 - Do not operate the unit if it is not functioning correctly.
 - Do not move the unit if it is recharging or in use.
 - Do not put fingers or hands into the product.
 - Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
 - Do not disassemble the power pack. Take it to a qualified service person when service or repair is needed. Incorrect reassembly may result in a risk of fire or electric shock.
 - Use and store the unit only in a clean and dry environment.
 - Do not use and store in a dusty or wet environment. Check the unit prior to every use.
 - Do not use the unit if it is damaged or broken.
 - Do not use the unit if the power cord is damaged or broken. Keep the unit away from children.
 - Do not let children use the power supply unit. Keep this product away from pets.
 - Do not use or store the unit in an area or environment with high temperatures.
- Should fluid from inside of the unit come in contact with your skin or clothing, wash the affected areas with tap water.
- In a storm, unplug the power cord from the socket.
- Make sure that the device you are connecting is switched off before you connect.

WARNING-RISK OF EXPLOSIVE GASES.

- To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer of any equipment you intend to use in vicinity of the battery.
- Do not charge the unit via a power supply that is outside of 100 to 240V.
- Do not place the unit on its side or upside down while in use or storage.
- Do not use accessories for other uses.
- If rust, unusual smells, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact the dealer or our customer support.
- The unit complies with all legal requirements for the transport of dangerous goods.
- Make sure that the unit is properly secured when transporting it in a motor vehicle.
- Only charge, use and store the unit within an ambient temperature of 0 to 40C (32-104°F).
- Switch the unit off immediately if it has accidentally fallen, was dropped or was exposed to vibration.
- Carefully read the instructions for the electric devices that you intend to connect to your power supply unit.

12.WARRANTY

Note: We only provide the warranty for the consumer who purchased our products through Amazon or Vtoman website.

VTOMAN warrants to the original consumer that Vtoman products will be free from defects in workmanship and materials under normal use during the applicable warranty period as determined in the "Warranty Period" section below, subject to the "Exclusions" clause below.

Warranty Period

The warranty period of the VTOMAN portable power station is 24 months. Consumers need to provide a sales receipt for the first purchase or other reasonable documentary proof to determine the start date of the warranty period. Under normal circumstances, the warranty period is calculated from the date of purchase by the original consumer.

Exchange

If VTOMAN products cannot be operated due to defects in workmanship or materials during the applicable warranty period, Vtoman will provide free replacement, and VTOMAN will bear the freight. In addition, the replacement product will bear the remaining warranty period of the original product.

Refund

VTOMAN provides a 30-day money-back guarantee for products purchased directly from VTOMAN. If you are not satisfied for any reason, just let us know within 30 days. Once we receive the product and confirm its validity, we will refund the full amount. Please check before returning: (1) You purchased the product directly from VTOMAN ; (2) You contact Vtoman and start the return process within 30 days of the original delivery date; (3) The product is returned in its original packaging, including all materials, in a new or as-new state.

Exclusions

VTOMAN's warranty does not apply to:

1. Misuse, abuse, modification, accidental damage, or use for any other purpose other than those authorized in the current product information of VTOMAN;
2. Attempt to repair by anyone outside the authorized organization;
3. Appearance damage due to using;
4. Non-original consumer purchasers;
5. The VTOMAN warranty does not apply to battery cells.

Contact Us

If you have any questions during using Vtoman products, please feel free to contact with us at service.us@vtoman.com.



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MADE IN CHINA

