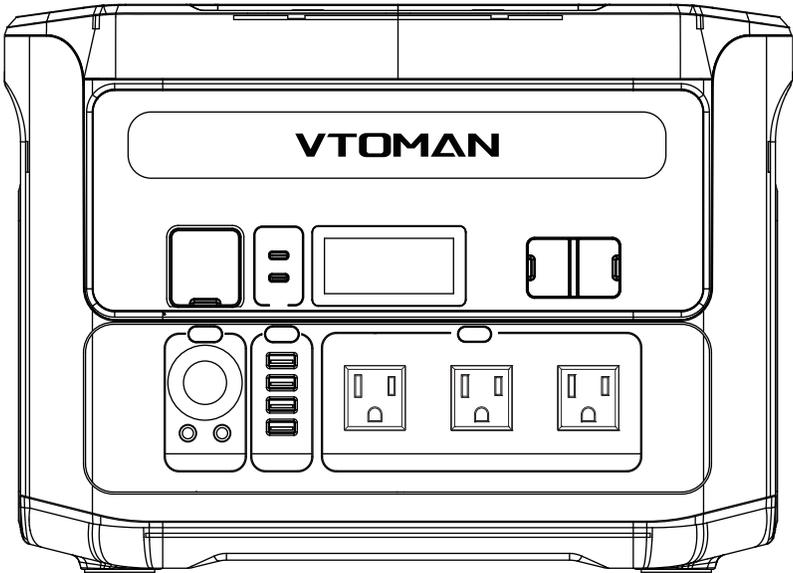# VTOMAN

SuperSafe LIFEBMS Power Station

FlashSpeed 1500 Portable Power Station

User Manual

● Thank you for choosing Vtoman portable power station.
● Please read the user manual carefully and follow the instructions in the manual to use the product correctly.

Model No.: PB-58

CONTENTS

1.Specifications

General Info

Product Name	FlashSpeed 1500 Power Station
Net Weight	18.8KG(41.4 lbs)
Dimensions	393*280*270mm(15.5x11x10.6 inch)
Certification	FCC, RoHS, UN38.3, CE

Battery Info

Capacity	1548Wh
Battery Type	LiFePO4
Cycle Life	3000 cycles to 80%

Output Ports

|	
AC Output(x3)	1500W(Peak 3000W) in total, 110V~60Hz, Pure Sine Wave
USB-A Output(x3)	5V⎓2.4A, 12W Max per port
USB-A Output(x1)	5V⎓3A, 9V⎓2A, 12V⎓1.5A, 18W Max
USB-C Output(x2)	5V⎓3A, 9V⎓3A, 12V⎓3A, 15V⎓3A, 20V⎓3A, 20V⎓5A, 100W Max per port
DC5521 Output(x2)	12V⎓10A, 120W Max in total
Car Charger(x1)	12V⎓10A, 120W Max in total

Input Ports

AC Input(x1)	90-140V, 1500W Max
DC Input(x1)	12-20V, 200W Max
Anderson Input(x1)	30-60V, 400W Max

Environment Operating Temperature

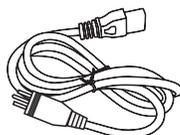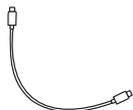|	
Operating Temperature	-20℃~55℃(-4°F to 131°F)
Charging Temperature	0℃~55℃(32°F to 131°F)

2.Package List
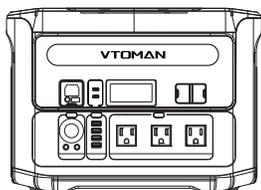
FlashSpeed 1500 Power Station
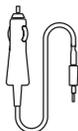
Car Charger Cable

AC charging cable x1

USB-C to USB-C Cable

USB-A to USB-C Cable

User Manual

No.	Item	Qty.	Specification
1	FlashSpeed 1500 Power Station	1	110V/1500W
2	AC Charging Cable	1	/
3	USB-C to USB-C Cable	1	/
4	USB-A to USB-C Cable	1	/
5	Car Charger Cable	1	/
6	User Manual	1	English version

Please kindly check all accessories are complete. If any parts missing, please feel free to contact us at service.us@vtoman.com.

3.Safety Instructions

3.1 Usage

When using this product, basic precautions should always be followed, including the following:

1.Read all the instructions before using the product.

2.To reduce the risk of injury, close supervision is necessary when the product is used near children.

2

3.Do not put fingers or hands into the product.

4.Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.

5.To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.

6.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.

7.Do not operate the power pack with a damaged cord or plug, or a damaged output cable.

8.Do not disassemble the power pack, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.

9.To reduce the risk of electric shock, unplug the power pack form the outlet before attempting any instructed servicing.

3.2 Personal Precautions

1.Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.

2.Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.

3.If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.

4.NEVER smoke or allow a spark or flame in vicinity of battery or engine.

5.Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.

6.When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.

7.Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.
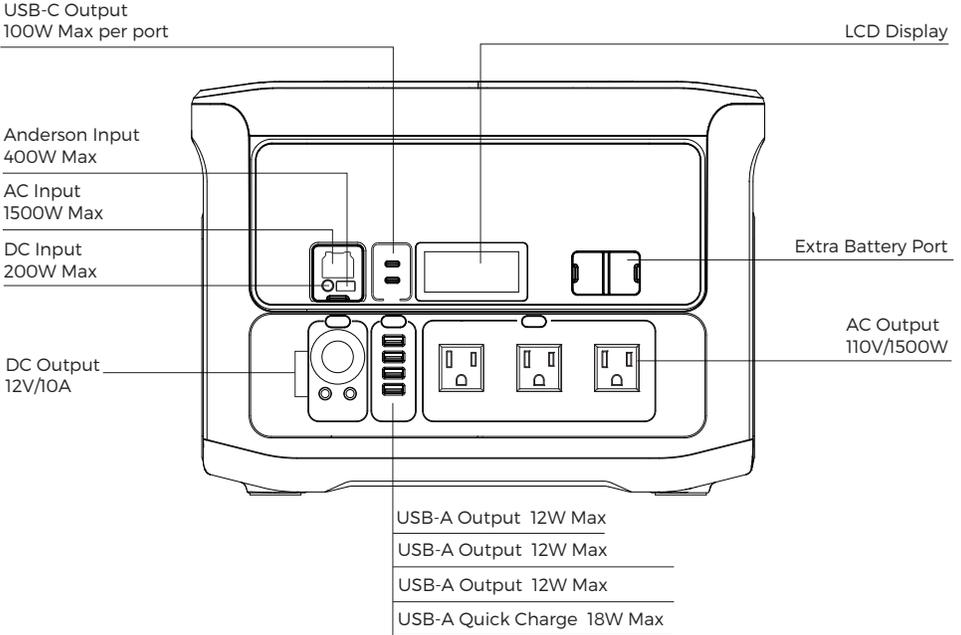
Liquid ejected from the battery may cause irritation or burns.

8.Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 265°F(130°C) may cause explosion.

9.Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
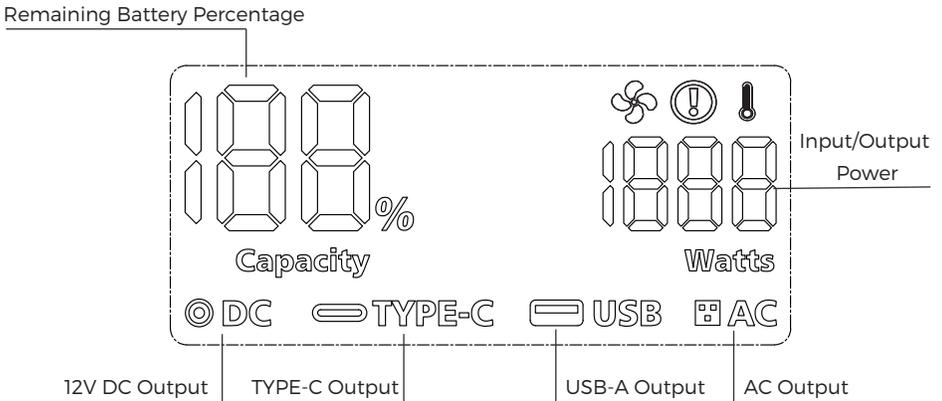
3.3 Disposal Guide

1. If conditions permit, make sure that the battery is fully discharged before disposing it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to dispose of it in ordinary trash cans. For more details, please follow the local laws and regulations on battery recycling and disposal.

2. If the battery cannot be fully discharged due to a product failure, please do not dispose of the battery directly in the battery recycling box. In such case, you should contact a professional battery recycling company for further processing.

3. Please dispose of over-discharged batteries that cannot be recharged.

4.Product Features

4.1 Product Details

USB-C Output
100W Max per port

LCD Display

Anderson Input
400W Max

AC Input
1500W Max

DC Input
200W Max

Extra Battery Port

AC Output
110V/1500W

DC Output
12V/10A

USB-A Output 12W Max

USB-A Output 12W Max

USB-A Output 12W Max

USB-A Quick Charge 18W Max

4.2 LCD Screen Introduction

Remaining Battery Percentage

Input/Output
Power

%

Capacity

Watts

◎DC ⊂⊃TYPE-C ⊂⊃USB AC

12V DC Output   TYPE-C Output   USB-A Output   AC Output

5.Product Operating Instructions

5.1 Power & Function On/Off

1.Power On: Short press any button to power on the product and enter the standby state, the LCD Screen will light up and the battery level indicator icon will display.

2.Power Off: Turn off all outputs manually, then the product enters the standby state and will shut down after 30 minutes.

3.AC Output On/Off: Short press the AC Button to use the AC output; Short press the AC Button again to turn if off.

4.DC Output On/Off: Short press the DC Button to use the 12V DC output; Short press the DC Button again to turn if off.

5.USB-A & USB-C On/Off: Short press the USB Button to use the USB-A & USB-C output; Short press the USB Button again to turn if off.

V-Beyond Technology: It allows you to run devices over 1500 watts but no more than 3000 watts on FlashSpeed 1500 power station. It would lower the output voltage to bring the power back down without tripping the overload protection, so that yo can continue to run those devices. It's suitable for resistive loads such as lights, space heaters, toasters, ovens, and coffee makers, etc. But please note that it's NOT suitable for complex electronics such as computers, TVs, refrigerators, etc.

5.2 Recharge Methods & Recharge Time
1.Recharge Time

🔲 Wall Outlet	🚗 Car Outlet	☀️ 400W Solar Panels
1 Hours	12-14 Hours	4-8 Hours

**Warm Tips:** Before use, please plug your FlashSpeed 1500 power station into the wall until it is fully charged.

2.Recharge by AC Outlet
You can use the AC charging cable through the AC Input Port to recharge the FlashSpeed 1500 power station. The recharging time is about 1 hour.

Wall Outlet   AC Charging Cable
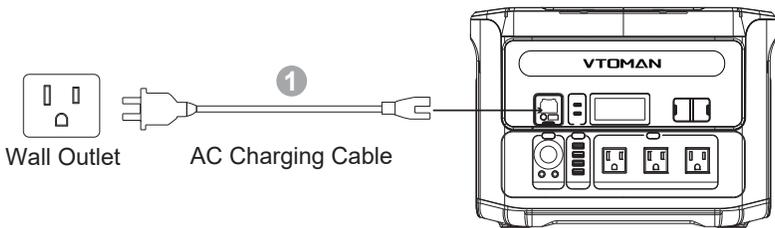
## 3.Recharge by Car Outlet
You can recharge the FlashSpeed 1500 through the DC Input Port with a car charging cable. The recharging time is about 12-14 hours.

Cigarette Lighter Plug

Car Charger Cable
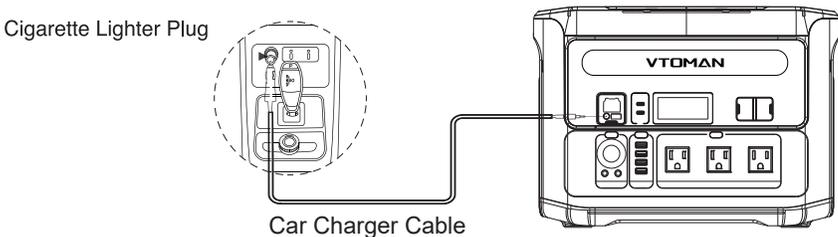
4.Recharge by Solar Panel
You can connect a Vtoman VS400 400W Solar Panel to recharge FlashSpeed 1500 power station, the recharge time is about 4-8 hours (depending on sunlight intensity).
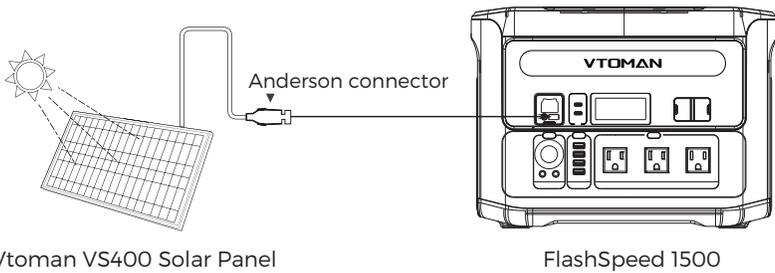
Vtoman VS400 Solar Panel   FlashSpeed 1500

If connecting with your own solar panel, please make sure the working voltage of the solar panel is between 30-60V to recharge properly.

5.3 Battery Capacity Expansion

Vtoman FlashSpeed 1500 portable power station can expand its battery capacity from 1548Wh to 3096Wh with FlashSpeed 1500 Extra Battery (Sold separately), so that it can power your devices for a longer time.
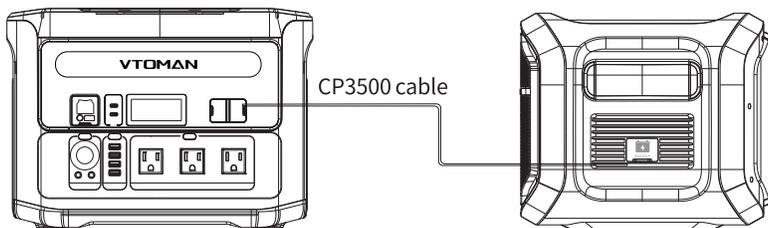
FlashSpeed 1500 Power Station   FlashSpeed 1500 Extra Battery

To expand the battery capacity, you just need to connect the FlashSpeed 1500 Portable Power Station to the FlashSpeed 1500 Extra Battery via a CP3500 cable(Included in the package of FlashSpeed 1500 Extra Battery).

> ⚠ The CP3500 cable will get hot during work,please DO NOT touch the CP3500 cable in avoid of scalding!

5.4 Use of LED Flashlight

The FlashSpeed 1500 Power Station features a LED flashlight with 5 mode. Please follow the instructions below to enter different modes:

(1)Weak Light Mode: Short press the LED button on the power station to turn on the light, it enters the weak light mode;

(2)Medium Light Mode: Press the LED button twice to enter medium light mode;

(3)Strong Light Mode: Press the LED button three times to enter strong light mode;

(4)Strobe Mode: Press the LED button four times to enter strobe mode;

(5)SOS Mode: Press the LED button five times to enter SOS mode. Press the LED button again to turn the light off.

5.5 Uninterrupted Power Supply (UPS)

To use the UPS function, connect the Power Station to a wall outlet with the AC charging cable, then press the AC button and connect your devices via the AC output ports.

Wall outlet

Your device
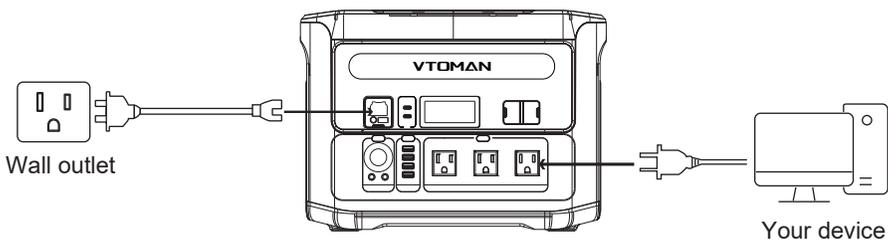
6.FAQs

1. What devices can the FlashSpeed 1500 power?

With 1500W rated power and 3000W peak power, FlashSpeed 1500 can normally power devices with rated power no more than 1500W. Besides, with Vtoman's V-Beyond Technology, FlashSpeed 1500 can run resistive loads over 1500 watts but no more than 3000 watts such as lights, space heaters, toasters, ovens, and coffee makers, etc.

2.How to know the working time for my device?

Working time=1548Wh*0.85 / operating power of your device.

3.Can the FlashSpeed 1500 be charged while using?
Yes, FlashSpeed 1500 supports pass-through charging. You can recharge the power station while charging your device.

4.Can the FlashSpeed 1500 be used as a UPS?
Yes, the FlashSpeed 1500 has the UPS(Uninterrupted Power Supply) function.

5.Are the DC output ports regulated 12V?
Yes, the voltage of DC5521 output ports and the car cigarette port are regulated 12V.

6.What kind of solar panel does FlashSpeed 1500 suppport?
To charge FlashSpeed 1500 through the Anderson solar input port, the solar panels need to meet the following requirements:
1)The working voltage of solar panel is between 30V-60V;
2)The solar panel has an Anderson adapter(or converted into Anderson connector). For example, some solar panels come with MC4 interface, then you just need to use an MC4 to Anderson adapter cable to convert.

Warm Tip: It's recommended to use our Vtoman VS400 400W solar panel to recharge FlashSpeed 1500 power station for better charging experience.

7. Does FlashSpeed 1500 has MPPT feature?
Yes, all Vtoman power stations are built-in MPPT feature. You don't need to get an extra MPPT controller to connect the Flash-Speed 1500 power station with your solar panel.

7.Troubleshooting

Problem	Cause	Solution
Product has no output power.	You device is not connected to the power station well.	Check the connection between the power station and your device. Make sure it's well connected.
	Output switch is not turned on.	Turn on the AC/DC/USB output switch manually. And the corresponding output method will be displayed on the display.
	Battery is low.	Recharge the power station fully before use.
Product doesn't get a charge by AC Input.	The charger is not well connected to the power station or wall outlet.	Check the connection between the power station and the AC outlet.
	Connection is well, but the display doesn't show charging watts.	Please contact with Vtoman customer service at service.us@vtoman.com.
Product doesn't get a charge by Solar Input.	Solar panels are not placed under the sunlight.	Please place the solar panel under direct sunlight to get the best solar charging effect.
	The solar panel is not compactiable with the power station.	Please make sure the working voltage of your solar panel is between 30V to 60V, or it won't charge the power station.

8.Storage & Maintenance

1.Before storing, please turn off the product first, and then store it in a dry, ventilated place at room temperature, away from water, heat, and other metal objects.

2.For long-term storage, please discharge the battery to about 60%-80% before storing, and recharge it every 2 to 3 months to extend its battery life.

3.When using the battery every day, it is recommended to charge the battery to about 90% when charging, and leave about 10% when discharging.

4.Please use or store the product in an environment temperature between 68°F to 86°F. For safety, please do not store the product in an environment temperature higher than 113°F or lower than 14°F for a long time.

5.To clean the product, please gently wipe it with a dry, soft, clean cloth or paper towel.

9.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.

CTL | PS E
華佳商事 株式会社

CE FC RoHS

MADE IN CHINA

4.07.12.3741
PB58款英文说明书，LOGO：VTOAMN，型号：FlashSpeed 1500，容量:1548WH,
骑马钉装，128G铜版,彩色印刷，145*210MM ,20230726更新 符合ROHS