

WETOWN WT1500A

WETOWN WT1500A Portable Power Station User Manual

Model: WT1500A

1. INTRODUCTION

The WETOWN WT1500A Portable Power Station is a versatile and reliable power solution designed for both home emergency backup and outdoor adventures like camping and RV use. Featuring a robust LiFePO4 battery with 1280Wh capacity and 1500W continuous output, it can power a wide range of devices and appliances. This manual provides essential information on how to safely set up, operate, maintain, and troubleshoot your power station.



Figure 1: WETOWN WT1500A Portable Power Station

2. IMPORTANT SAFETY INSTRUCTIONS

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near heat sources or in direct sunlight.
- Do not expose the unit to rain or moisture.
- Use only recommended accessories and cables.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging.

3. PRODUCT OVERVIEW

3.1 Key Features

- **1280Wh Capacity:** Provides ample power for various devices.
- **1500W Pure Sine Wave AC Output:** Stable power for sensitive electronics.
- **LiFePO4 Battery:** Offers over 3,000 charge-discharge cycles for extended lifespan.
- **Fast Recharging:** Fully recharges in 85 minutes via 1200W AC input.
- **Multiple Outputs:** Includes AC, DC, Car charger, QC3.0 USB, and PD100W USB-C ports.
- **UPS Function:** Supports $\leq 20\text{mS}$ Uninterruptible Power Supply.
- **Smart LCD Display:** Monitors battery capacity, input/output power, and estimated working time.

3.2 Included Components

- WETOWN WT1500A Portable Power Station x1
- AC Cable x1
- Car Charger to XT60 Cable x1
- MC4 to XT60 Cable x1
- User Manual x1



Figure 2: Powering 15 Devices Simultaneously

4. SETUP AND INITIAL CHARGING

4.1 AC Wall Charging

To charge your WT1500A via a wall outlet, open the rear plate of the power station to access the AC input port. Connect the provided AC cable to the power station and then plug the other end into a standard wall outlet. The LED display will show the input wattage and charging status. The unit can be fully recharged in approximately 85 minutes.

1200W 7X Fast Charging

Micro Current Activation: No Damage Without Charging for 6 Months

0 - 100% in 85 Minutes



Figure 3: Fast AC Wall Charging

Video 1: Demonstrates 1200W AC input and 400W XT60 MPPT charging methods.

4.2 Solar Charging

The WT1500A supports solar charging via its XT60 input port, with a maximum input of 400W. Connect your solar panels (e.g., WETOWN SP200W) using the provided MC4 to XT60 cable. Ensure the solar panels are placed in direct sunlight for optimal charging efficiency. For multiple panels, use appropriate series or parallel connection cables (sold separately) as per your solar panel's specifications.

Free Green Energy Solar Generator

Fully Recharged in 3.5 Hours by 400W Solar Panels



Figure 4: Solar Charging Setup

Video 2: Shows how to connect SP200W solar panels to the WT1500A via MC4 or XT60 connectors.

5. OPERATING YOUR POWER STATION

5.1 Powering On/Off

To power on the DC outputs, press and hold the "DC ON/OFF" button for 3 seconds. To activate the AC outputs, click the "AC" button. Similarly, click the "USB ON/OFF" button to enable the USB ports. To turn off any output, simply click the corresponding button again. To power off the entire unit, press and hold the main power button.

Video 3: A guide on how to operate the WETOWN 1500W Power Station, including powering on/off and activating different output types.

5.2 Using AC Outputs

The WT1500A provides four 110V/1500W Pure Sine Wave AC outlets. These are suitable for powering most home electrical devices, including microwaves, coffee makers, and electric grills. Ensure the total power consumption of connected devices does not exceed 1500W to prevent overload.



Figure 5: Powering Home Electronics

5.3 Using DC and USB Outputs

The power station features 4 DC outputs, 1 car charger port, 4 QC3.0 USB ports, and 2 PD100W USB-C outputs. These ports are ideal for charging and powering smaller electronic devices such as laptops, phones, tablets, and portable fans. You can charge and discharge the unit simultaneously.

5.4 UPS Function

The WT1500A includes an Uninterruptible Power Supply (UPS) function with a switchover time of less than 20 milliseconds. This feature provides seamless power during outages, preventing critical devices like CPAP machines from shutting off unexpectedly.

Less Than 20mS Switchover Time UPS

Prevent Emergency CPAP Shutting-OFF from Blackout



Figure 6: UPS Function in Action

6. MAINTENANCE AND STORAGE

To ensure the longevity and optimal performance of your WETOWN WT1500A Power Station, follow these maintenance guidelines:

- **Cleaning:** Use a dry, soft cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, recharge the unit to approximately 50-80% every 3-6 months to maintain battery health. The LiFePO4 battery is designed to properly resume charging even after 6 months of non-use.
- **Ventilation:** Ensure the ventilation vents are clear of obstructions during operation to prevent overheating.

LiFePO4 Power Station 6X Longer Lifespan

Retain 80% Capacity after 3000 Cycles



Figure 7: LiFePO4 Battery Longevity

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Power Station does not turn on.	Battery is depleted or power button not held long enough.	Charge the unit via AC or solar. Press and hold the DC ON/OFF button for 3 seconds to power on.
AC outlets not providing power.	AC output is not enabled or device exceeds 1500W.	Click the "AC" button to enable AC output. Reduce load if exceeding 1500W.
Solar charging is slow or not working.	Insufficient sunlight, incorrect panel angle, or loose connection.	Ensure panels are in direct sunlight and angled correctly. Check all MC4 to XT60 cable connections.
USB ports not working.	USB output is not enabled.	Click the "USB ON/OFF" button to enable USB outputs.

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	WETOWN Power Station WT1500A
Capacity	1280Wh
AC Output	4 x 110V/1500W Pure Sine Wave (60Hz)
Peak Output	1800W
DC Output	4 x DC, 1 x Car Charger
USB Output	4 x QC3.0 USB, 2 x PD100W USB-C
AC Input	1200W (Wall Outlet)
Solar Input (XT60)	400W Maximum
Battery Type	LiFePO4
Lifespan	3,000+ Cycles to 80% Capacity
UPS Function	≤20mS Switchover Time
Dimensions (L x W x H)	17.6" x 11.9" x 10.6"
Weight	38.3 Pounds
Display	LED



Figure 8: Product Dimensions

9. WARRANTY AND SUPPORT

The WETOWN WT1500A Portable Power Station comes with a **2-Year Manufacturer's Warranty**. This

warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any inquiries, please contact WETOWN customer service through the retailer's platform or the official WETOWN website.

Please retain your proof of purchase for warranty validation.