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> VTOMAN Jump 1500X Portable Power Station User Manual - Model PB-22X

VTOMAN PB-22X

VTOMAN Jump 1500X Portable Power Station

MODEL: PB-22X

User Manual

1. INTRODUCTION

The VTOMAN Jump 1500X is a versatile 2-in-1 portable power station and car jump starter designed for various power needs, from outdoor adventures and home backup to roadside emergencies. Featuring an 828Wh LiFePO4 battery, expandable capacity, and multiple output ports, it provides reliable power for a wide range of devices.

2. PRODUCT FEATURES

- **2-in-1 Portable Station & Car Jump Starter:** Combines an 828Wh portable power station with a dedicated car jump start port for 12V gasoline and diesel engines.
- **Capacity Expandable:** Base capacity of 828Wh, expandable up to 2376Wh with an optional VTOMAN Jump 1500 extra battery (sold separately).
- **LiFePO4 Battery:** Built-in premium LiFePO4 battery offers over 3,000 full life cycles to 80% original capacity, ensuring long-lasting and safe operation.
- **1500W Constant-Power Output:** Provides a rated 1500W (Surge 3000W) output from 3 AC outlets. Features V-Beyond Technology to deliver 1500W constant power even for appliances exceeding 1500W, preventing shutdown.
- **Multiple Output Ports:** Includes 3x 110V/1500W AC Outlets, 2x Regulated 12V/10A DC5521 Outputs, 1x Regulated 12V/10A Car Port, 4x USB-A Outputs (1x QC 3.0 18W Max, 3x 12W Max), and 2x PD 100W Type-C Outputs.
- **Pass-Through Charging:** Supports charging up to 12 devices simultaneously while the unit itself is being recharged.
- **Built-in LED Flashlight:** Features a 12W LED light with 5 modes (Weak, Medium, Strong, Strobe, SOS) for various situations.

3. WHAT'S IN THE BOX

The VTOMAN Jump 1500X package includes the following items:

- 1x VTOMAN Jump 1500X Portable Power Station

- 1x VTOMAN Jumper Cable
- 1x AC Adapter & Charging Cable
- 1x Car Charging Cable
- 1x Type-C to Type-C Cable
- 1x USB-A to Type-C Cable
- 1x User Manual

What's in the box



Image: The VTOMAN Jump 1500X Portable Power Station displayed with all its included accessories, such as the jumper cables, AC adapter, car charging cable, and various USB cables.

4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Initial Charge:** Before first use, fully charge the power station using the provided AC adapter until the LCD display shows 100% capacity.

3. **Placement:** Place the power station on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
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5. OPERATING INSTRUCTIONS

5.1 General Operation

- **Power On/Off:** Press and hold the main power button for 3 seconds to turn the unit on or off. The LCD screen will illuminate.
- **Activating Outputs:** Press the corresponding button (AC, DC, USB) to activate the desired output ports. The LCD screen will show active icons for the enabled ports.
- **Deactivating Outputs:** Press the corresponding button again to turn off the output ports when not in use to conserve battery power.

5.2 Car Jump Start Function

The VTOMAN Jump 1500X features a professional vehicle jump-start system for 12V gasoline and diesel engines. Always ensure the power station has sufficient charge before attempting a jump start.

1. **Prepare Vehicle:** Ensure your vehicle's ignition is off and all accessories are unplugged.
2. **Connect Jumper Cables:** Insert the included safety jumper cable into the regulated 12V DC port on the power station.
3. **Attach Clamps:** Connect the red clamp to the positive (+) terminal of the vehicle battery and the black clamp to the negative (-) terminal.
4. **Verify Connection:** If connected correctly, the adapter on the jumper cable will light up green. The system incorporates multi-protection safety features like spark-free operation and reverse polarity protection.
5. **Start Vehicle:** Start your vehicle's engine.
6. **Disconnect Cables:** Once the vehicle starts, disconnect the clamps from the vehicle battery within 30 seconds, then remove the jumper cable from the power station.

Spark-Free Operation

Built-in Reverse Polarity Protect



Mistake-proof design Easy hook-up

Image: Close-up of the VTOMAN Jump 1500X Power Station with jumper cables connected, highlighting the spark-free operation and mistake-proof design.

POWER STATION + JUMP START

12V Jump Start for DEAD VEHICLES



Trucks



SUVs



Cars



Motocycle



ATV



Image: The VTOMAN Jump 1500X Power Station connected to a car battery under the hood, demonstrating its car jump start capability for various vehicle types.

5.3 LED Flashlight Operation

The built-in 12W LED flashlight offers multiple lighting modes:

- **Short Press:** Cycle through Weak, Medium, Strong brightness modes.
- **Long Press:** Activate Strobe mode.
- **Double Press:** Activate SOS mode for emergencies.

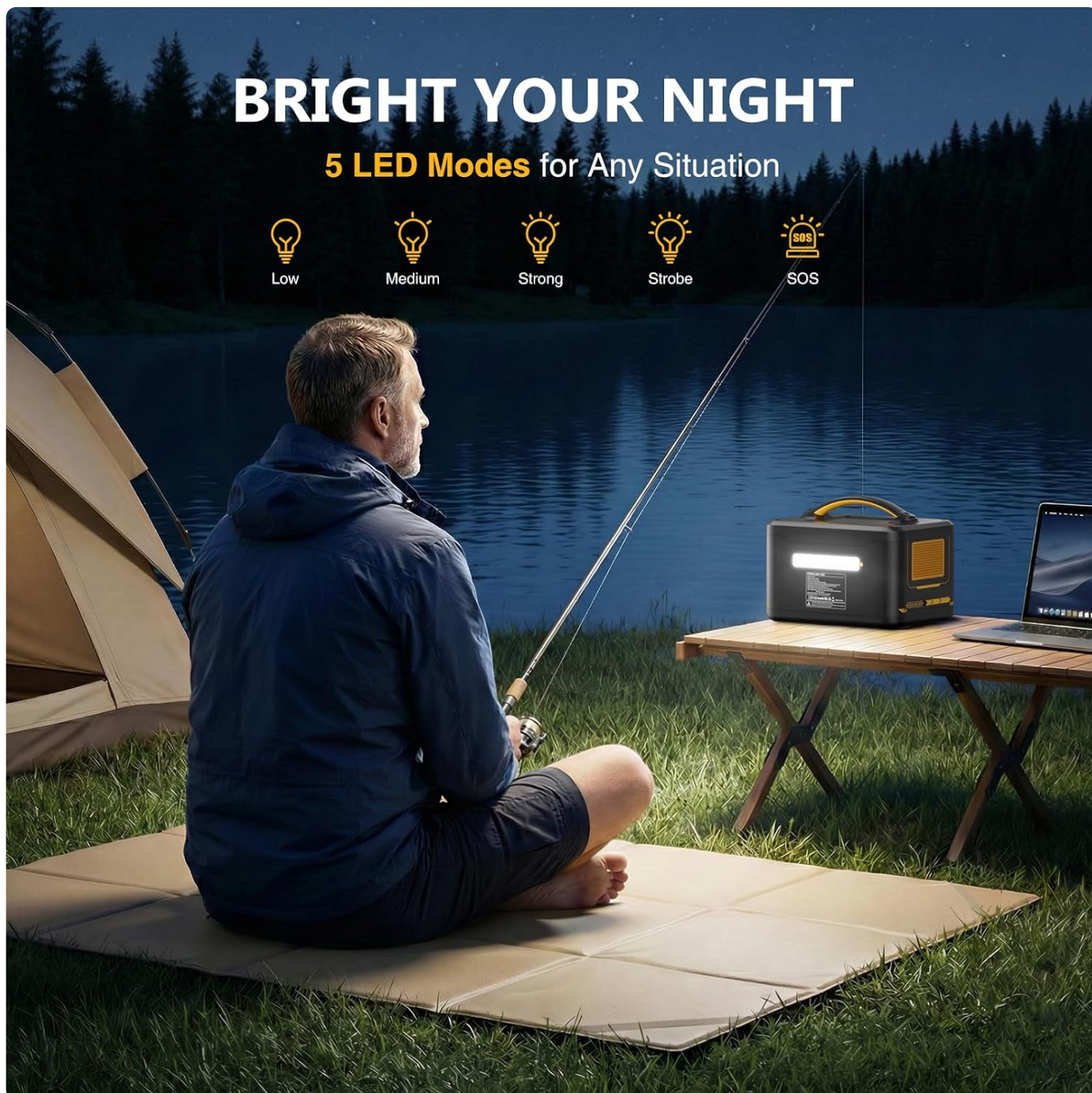


Image: A person fishing at night with the VTOMAN Jump 1500X Power Station providing illumination from its LED light, showcasing the various lighting modes.

6. CHARGING THE POWER STATION

The VTOMAN Jump 1500X can be recharged using three primary methods:

- **AC Wall Charger (Included):** Connect the AC adapter and charging cable to a standard wall outlet. Full charge takes approximately 4.5 hours.
- **12V Car Outlet (Car Charger Included):** Connect the car charging cable to your vehicle's 12V outlet. Full charge takes approximately 7 hours.
- **Solar Panels (Not Included):** Connect compatible VTOMAN 110W or 200W solar panels to the DC5521 input ports. Charging time varies based on solar intensity (approx. 7-8 hours for 110W, 4-5 hours for 200W).



Image: Visual representation of the three charging methods for the VTOMAN Jump 1500X: wall outlet, car charging, and solar panels.

7. MAINTENANCE

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Recharge Frequency:** For optimal battery health, recharge the unit to 80% every 3-6 months if not in regular use.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Battery Care:** Avoid fully discharging the battery frequently to prolong its lifespan.

8. TROUBLESHOOTING

- **Unit Not Turning On:** Ensure the battery is charged. If not, recharge the unit.
- **Output Ports Not Working:** Ensure the specific output ports (AC/DC/USB) are activated. Check if the connected device exceeds the power station's output limits.
- **Overload Protection:** If an output port shuts down, it may be due to an overload. Disconnect the device, wait a few minutes, and then reactivate the port.
- **Overheating:** If the unit overheats, it may automatically shut down. Allow it to cool down in a well-ventilated area before resuming use.
- **Car Jump Start Failure:** Ensure jumper cables are correctly connected (green light on adapter). Check vehicle battery terminals for corrosion. Ensure power station has sufficient charge.

9. SPECIFICATIONS

Specification	Value
Model Name	JUMP 1500X
Model Number	PB-22X
Battery Capacity	828Wh
Battery Type	LiFePO4

AC Output	3x 110V/1500W (Peak 3000W) Pure Sine Wave
DC Output	2x DC5521 (12V/10A), 1x Car Port (12V/10A)
USB-A Output	3x 5V/2.4A (12W Max), 1x QC 3.0 (18W Max)
USB-C Output	2x PD 100W Max
DC Input	2x DC5521 (12V-30V, 200W Max total)
Dimensions (L x W x H)	14.2"L x 10.6"W x 11"H
Item Weight	30.8 Pounds

10. WARRANTY & SUPPORT

The VTOMAN Jump 1500X Portable Power Station comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact VTOMAN customer service through their official website or the retailer where you purchased the unit. Please have your model number (PB-22X) and proof of purchase ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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