

VTOMAN Jump 2200

VTOMAN Jump 2200 Portable Power Station

User Instruction Manual

Model: Jump 2200

1. INTRODUCTION

The VTOMAN Jump 2200 is a high-capacity portable power station designed to provide reliable power for various applications, including outdoor activities, RV life, and emergency backup. Featuring a robust LiFePO4 battery and multiple output ports, it offers a versatile and safe energy solution.



Figure 1: VTOMAN Jump 2200 Portable Power Station. This image shows the main unit with its handle, display, and various ports.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the VTOMAN Jump 2200. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Keep the unit away from fire and direct sunlight.
- Do not use or store the unit in a bathroom or in an area exposed to water or moisture.
- Do not use the unit if it is damaged or has been dropped.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Use only VTOMAN-approved accessories and charging cables.
- The SuperSafe LIFE-BMS provides multiple battery protections (overcharge, over-discharge, over-voltage, over-current, short-circuit, high temperature). However, always operate within specified limits.
- When using the 2200W constant power output for devices exceeding 2200W, ensure the connected device is not sensitive to voltage fluctuations, as this mode provides an alternative emergency solution rather than precise voltage regulation for sensitive electronics.

3 FORMAS DE RECARGAR



8-9 horas

Toma de pared



10-13 horas

Enchufe de coche



10-13 horas

paneles solares de 200w



Figure 2: Internal view highlighting the SuperSafe LIFE-BMS protection system and LiFePO4 battery cells. This system provides enhanced safety and durability.

3. PRODUCT OVERVIEW

The VTOMAN Jump 2200 features a robust design with various input and output ports to meet diverse power needs.

3.1 Components and Ports

- **Main Unit:** The portable power station with integrated LiFePO4 battery.
- **LCD Display:** Shows battery level, input/output wattage, and estimated remaining time.
- **DC5521 Input (12-30V, 200W Max):** For wall charger, car charger, or solar panel input.
- **USB-C PD 100W Output:** For fast charging compatible devices like laptops and smartphones.
- **USB-A Outputs (3 ports, including QC 3.0 18W Max):** For charging smartphones, tablets, and other USB-powered devices.
- **AC Outlets (2x 230V/2200W Pure Sine Wave):** For powering household appliances and electronics.
- **DC5521 Outputs (2x 12V/10A):** For devices like car refrigerators, CPAP machines, and portable tire inflators.
- **Car Port (12V/10A):** For car accessories.
- **Jumper Cable Port:** For connecting jumper cables to start a vehicle battery (jumper cables sold separately).
- **Backup Battery Port:** For connecting an optional VTOMAN Jump 1500 additional battery to expand capacity.
- **LED Flashlight:** Integrated light for illumination in low-light conditions.

DESCRIPCIÓN DEL PRODUCTO

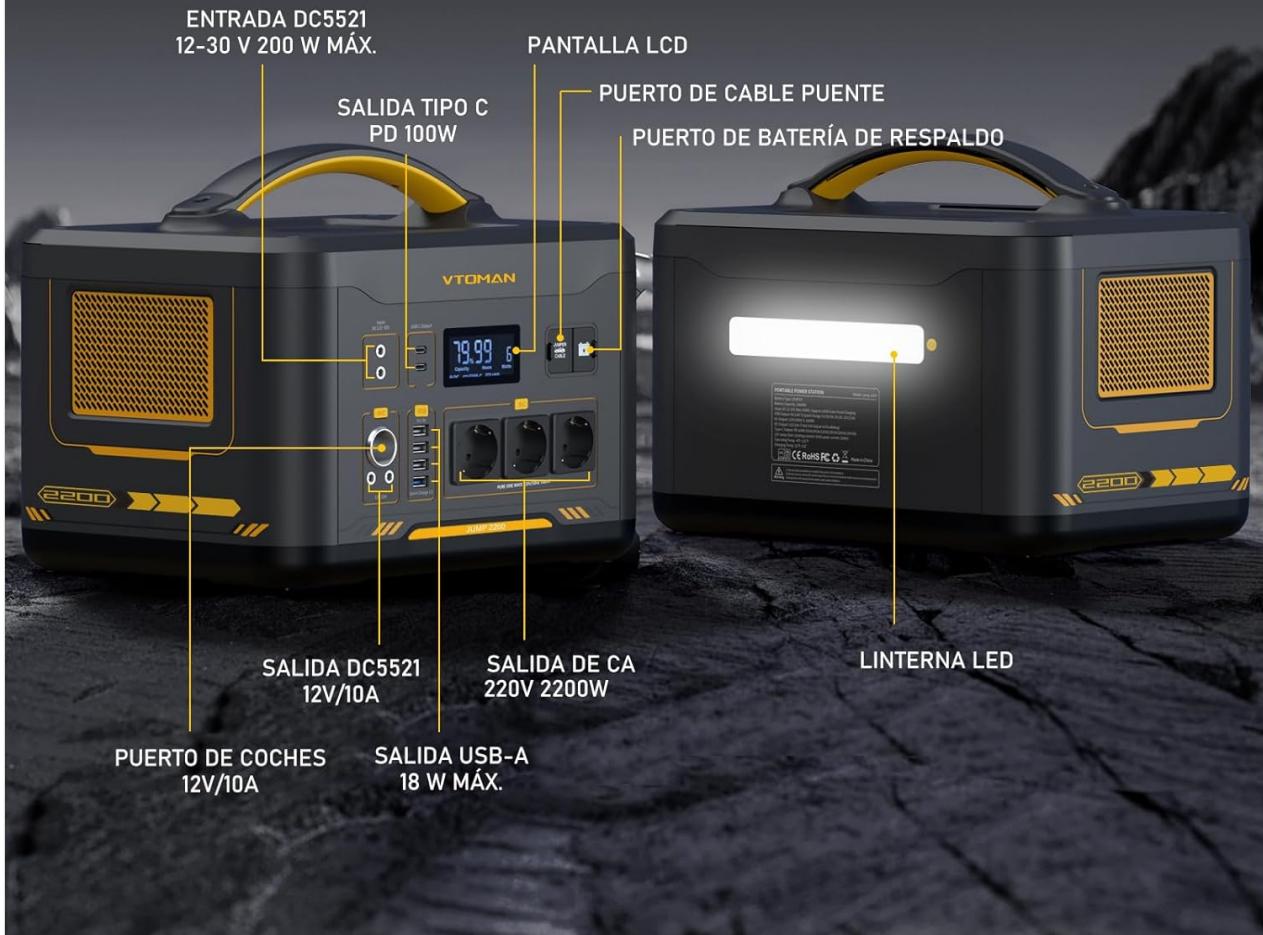


Figure 3: Detailed view of the VTOMAN Jump 2200, showing the location and type of each input and output port, including the LCD display and LED flashlight.

4. SETUP AND CHARGING

Before first use, fully charge the VTOMAN Jump 2200. The unit supports pass-through charging, allowing you to power devices while it is being charged.

4.1 Charging Methods

The Jump 2200 can be charged using three methods:

- 1. Wall Charger (AC Adapter):** Connect the included AC adapter to the DC5521 input port and plug it into a standard wall outlet. Charging time is approximately 4 to 5 hours.
- 2. Car Charger:** Use the included car charging cable to connect the unit to your vehicle's 12V car outlet. Charging time is approximately 9 to 12 hours.
- 3. Solar Panel:** Connect a compatible 110W/220W/400W solar panel (sold separately) to the DC5521 input

port. Charging time varies depending on solar intensity, typically 6 to 8 hours for a full charge. The unit features a built-in MPPT controller for efficient solar charging.



Figure 4: Illustration of the three charging methods: wall outlet, car charger, and solar panel.

5. OPERATING INSTRUCTIONS

The VTOMAN Jump 2200 offers multiple output options for various devices.

5.1 Powering Devices

- **AC Output:** Press the AC power button to activate the 230V AC outlets. The unit provides a nominal output of 2200W with a peak of 4400W. It also features a constant power output of 2200W, allowing it to power devices requiring more than 2200W by maintaining a steady output, ideal for resistive loads like heaters or ovens in emergency situations.
- **DC Output:** Press the DC power button to activate the 12V DC5521 ports and the 12V car port. These ports provide a regulated 12V output, suitable for devices like car fridges or CPAP machines. The total

maximum output for these ports is 120W.

- **USB Output:** The USB ports (USB-A and USB-C) are typically always active when the unit is on. The USB-C port supports Power Delivery (PD) up to 100W for fast charging laptops and other compatible devices. The USB-A ports include a Quick Charge 3.0 port (18W max) for rapid charging of smartphones and tablets.



Figure 5: Demonstrates the VTOMAN Jump 2200 providing constant 2200W output to a heater in a cold environment, showcasing its capability to power high-wattage devices.

5.2 Car Jump Start Function

The VTOMAN Jump 2200 can safely jump-start a dead 12V car battery. This feature is designed for gasoline engines up to 8 liters and diesel engines up to 6 liters. Jumper cables are sold separately.

1. Ensure the power station is sufficiently charged.
2. Connect the jumper cables (red to positive, black to negative) to the vehicle battery terminals.
3. Connect the other end of the jumper cables to the dedicated jumper cable port on the Jump 2200.
4. Start the vehicle.
5. Once the vehicle starts, disconnect the jumper cables from the power station first, then from the vehicle battery.

12V ARRANCADOR DE COCHES

Di adiós a un coche muerto



Nota: Los cables puente para coche NO ESTÁN INCLUIDOS.

Figure 6: The VTOMAN Jump 2200 connected to a car battery for jump-starting, illustrating its emergency vehicle starting capability.

6. EXPANDABLE CAPACITY

The VTOMAN Jump 2200's capacity can be expanded by connecting an optional VTOMAN Jump 1500 additional battery (sold separately). This increases the total capacity from 1548Wh to 3096Wh, providing extended runtime for your devices.

SUPERSAFE LIFEyms POWER STATION

3000 ciclos de vida completos al 80 %



LiFePO4

6 veces más que las baterías NCM

Resistencia a altas temperaturas

Figure 7: Shows the VTOMAN Jump 2200 connected to an additional Jump 1500 battery, demonstrating how the capacity can be expanded for longer power supply.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your VTOMAN Jump 2200.

- Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to preserve battery health.
- Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- Battery Life:** The integrated LiFePO4 battery is designed for over 3000 charge cycles to retain 80% of its original capacity, offering exceptional durability.
- Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

8. TROUBLESHOOTING

If you encounter issues with your VTOMAN Jump 2200, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not charging	Charging cable not connected properly; charger malfunction; unit too hot/cold.	Ensure all connections are secure. Try a different charging method. Allow unit to reach optimal operating temperature (0-40°C).
No output from ports	Output port not activated; device power draw too high; unit battery low.	Press the corresponding output button (AC/DC). Check device wattage. Recharge the power station.
LCD display not working	Unit is off; internal error.	Press the main power button. If issue persists, contact customer support.
Unit overheating	Poor ventilation; excessive load.	Ensure vents are clear. Reduce connected load. Allow unit to cool down.

For issues not listed above or if troubleshooting steps do not resolve the problem, please contact VTOMAN customer support.

9. SPECIFICATIONS

Feature	Specification
Model Number	PB-29
Battery Type	LiFePO4
Capacity	1548Wh (Expandable to 3096Wh with Jump 1500)
AC Output	2200W (Rated), 4400W (Peak), 230V Pure Sine Wave
DC Output (DC5521)	2 x 12V/10A (120W Max total)
Car Port Output	1 x 12V/10A (120W Max)
USB-C Output	1 x 100W PD
USB-A Output	3 ports (including 1 x 18W QC 3.0)
DC Input	12-30V, 200W Max
Dimensions (L x W x H)	36.07 x 27.94 x 26.92 cm
Weight	17.5 kg

Feature	Specification
Operating Temperature	0°C to 40°C (32°F to 104°F)

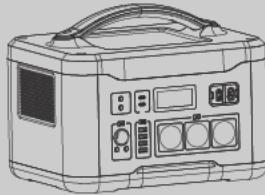


Figure 8: Dimensions of the VTOMAN Jump 2200, indicating its length, width, and height for reference.

10. WARRANTY AND SUPPORT

VTOMAN provides comprehensive support for its products.

- **Warranty:** The VTOMAN Jump 2200 comes with a 24-month protection warranty.
- **Returns:** Enjoy 30-day easy returns for your peace of mind.
- **Customer Support:** For assistance, please reach out to us at service.eu@vtoman.com. Our products are returnable, and we provide ongoing support to ensure your satisfaction.

User Manual2200W Portable Power Station
Emergency Power Source

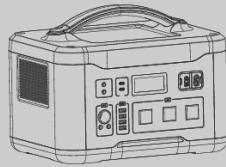
Model: Jump 2200

[\[pdf\]](#) User Manual

PB29 2022 11 18 Administrator Istruzioni per l'uso VTOMAN Jump 2200 Generatore solare portatile W 1548 Wh con capacità espandibile batteria LiFePO4 da potenza costante e avviamento Dual 100 PD 3 uscite 12 V 10 A DC Amazon it Giardino giardinaggio C1V4yUYqIML m media amazon images I |||

User Manual 2200W Portable Power Station Emergency Power Source Model:**Jump 2200** Preface Thank you for purchasing **Jump 2200** portable power station. To make sure your personal safety, property security and user experience, please read this manual carefully before operating, and retain it for the f...

lang:en score:28 filesize: 5.78 M page_count: 88 document date: 2023-08-09

JUMP1000/JUMP1500X/JUMP1800/JUMP2200
Portable Power Station[User Manual](#)

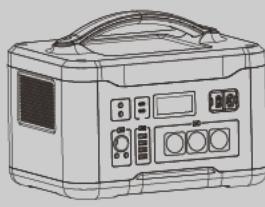
Model:PB21/PB22X/PB29

[\[pdf\]](#) User Manual Specifications Dimension Guide

PB 21 22 29 8 2 Jump 1000 Power Station VTOMAN USER MANUAL UK JUMP1000 JUMP1500X JUMP1800 JUMP2200 cdn shopify s files 1 0776 7031 8389 |||

JUMP1000/JUMP1500X/JUMP1800/JUMP2200 Portable Power Station User Manual Model:PB21/PB22X/PB29 CON ... -6 4-5 JUMP2200 Extra Battery 8-9 8-9 9-10 9-10 8-9 8-9 4.3 VTOMAN JUMP1000/JUMP1500X/**JUMP 2200** , . Input DC12V-30V USB-C Output 5V2.4A DC 12V Output Quick Charge...

lang:en score:27 filesize: 19.76 M page_count: 118 document date: 2023-02-24

Manual de usuarioGenerador eléctrico de
Jump 2200

Modelo No.: PB-29

[\[pdf\]](#)

PB29 Jump 2200 Administrator Enchufe de encendedor cigarrillos 12V bomba aire automóvil aspiradora refrigerador etc 12~60V 91urRA9yDBL ref dp product quick view m media amazon images I |||

Jump 2200 Modelo No.: PB-29 57 **Jump 2200** **Jump 2200** **Jump 2200** Contacto con la empresa Si tiene preguntas al utilizar los productos VTOMAN, no dude en ponerte en contacto con nosotros en service.eu vtoman.com. Tambin puede contactar con nosotros a travs de WhatsApp 86 188-7027-8189, o seguirnos en ...

lang:es score:24 filesize: 806.49 K page_count: 12 document date: 2024-11-05