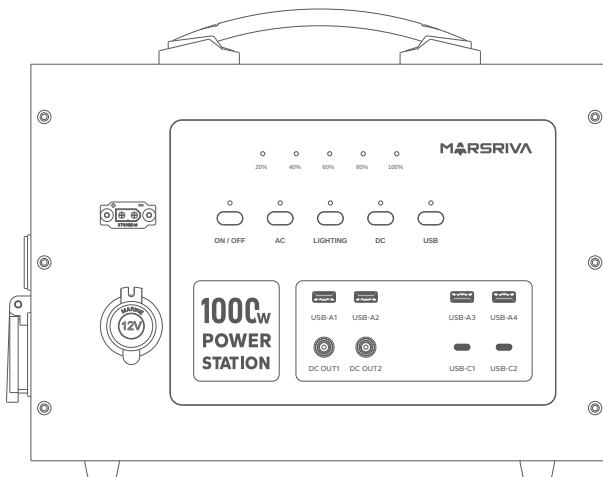




USER MANUAL

1000W Portable Power Station

MP10



www.marsriva.com

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IMPORTANT SAFETY INSTRUCTIONS

Read carefully before use to avoid electric shock, personal injury, or fire hazards.

1. DANGER: Critical Electrical Safety

- **Grid Isolation:** NEVER connect the AC output port of this product to any electrical wires of the power company or household wall outlets. Doing so creates a high risk of electric shock, fire, or damage to the unit.
- **Moisture & Liquids:** Do not operate this unit with wet hands. Keep the device away from rain, seawater, beverages, or any liquid. Liquid ingress can cause short circuits and pose severe safety hazards.

2. WARNING: Operational Precautions

- **Medical Devices:** This product generates electromagnetic waves. If you use a pacemaker or a similar implantable medical device, consult your doctor or the device manufacturer before operation.
- **Unauthorized Modification:** Do not attempt to disassemble, repair, or modify the product. Unauthorized work may cause overheating, fire, or electric shock.
- **Damage Control:** If the unit is deformed, cracked, or damaged due to impact or dropping, discontinue use immediately. Replace any damaged charging cables or plugs promptly.

3. CAUTION: Handling & Environment

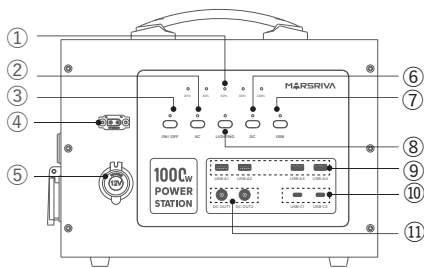
- **Temperature Limits:** Operate the unit only within the specified ambient temperature range of -10°C to 45°C.
- **Hazardous Environments:** Do not use or store the product in environments with excessive steam, dust, smoke, or flammable gases.
- **Connection Security:** When connecting electrical appliances, ensure the plugs are inserted firmly into the ports to prevent poor contact, which may lead to overheating or fire.
- **Child Safety:** Keep the unit out of the reach of children at all times.
- **End-of-Life:** This product contains a battery. Do not dispose of it with household garbage; please recycle it in accordance with local laws and regulations.

SPECIFICATIONS

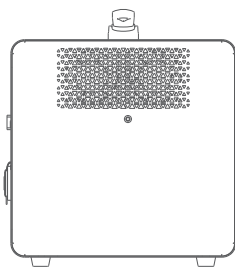
GENERAL INFO	
Rated Power	1000W (Max.)
Peak Power	2000W (Max.)
Battery Capacity	1008Wh (48VDC/21Ah)
Battery Type	LiFePO4 Battery
Net Weight	13.25 kg
Dimension (W×D×H)	359.5 × 252.5 × 280 mm
AC OUTPUT	
AC Output (230V Model)	230VAC, 50Hz, 1000W (Max.)
AC Output (120V Model)	120VAC, 60Hz, 1000W (Max.)
Waveform	Pure Sine Wave
UPS Switch Time	≤10ms
DC OUTPUT	
USB-A Output (x4)	5V ≡ 3A, 9V ≡ 2A, 12V ≡ 1.5A, 18W (Max.)
USB-C1 Output	5/9/12/15/20V ≡ 3A, 20/28V ≡ 5A, 140W (Max.)
USB-C2 Output	5/9/12V ≡ 3A, 15/20V ≡ 2A, 40W (Max.)
Total USB Output	252W (Max.); USB-A (x4)+USB-C1+USB-C2=252W (Max.)
DC 5521 Output (x2)	12V ≡ 5A, 60W (Max.)
Car Power Output	12V ≡ 10A, 120W (Max.)
Car Power Output+DC5521	120W (Max.)
Light	3W
INPUT	
AC Charging (230V Model)	200–240VAC, 50/60Hz, 800W (Max.)
AC Charging (120V Model)	100–130VAC, 50/60Hz, 800W (Max.)
DC Charging (XT60)	12–45VDC, 8A, 200W (Max.)
ENVIRONMENT	
Charge Temperature	0°C to 45°C (32°F to 113°F)
Discharge Temperature	-10°C to 45°C (14°F to 113°F)
Storage Temperature	-10°C to 45°C (14°F to 113°F)

FUNCTION INDEX

The illustrations below identify the key ports, buttons, and interfaces of the MP10.

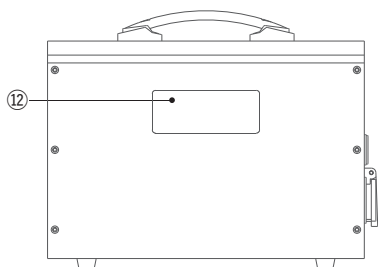


Front

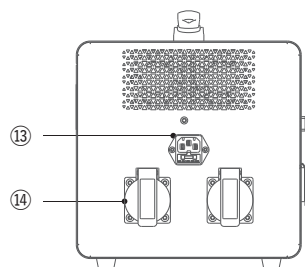


Right

- ① Battery Indicator: Five-segment LED capacity display.
- ② AC Output Button: Master toggle for AC outlets.
- ③ Main Power Button: System power switch. Long-press to toggle device power.
- ④ MPPT (XT60) Input: Dedicated interface for Solar/DC charging (12V-45V).
- ⑤ Cigarette Lighter Port: 12V DC power output.
- ⑥ DC Output Button: Master toggle for DC outputs (Cigarette Lighter & DC5521).
- ⑦ USB Output Button: Master toggle for USB-A and USB-C ports.
- ⑧ Light Button: Toggle for LED illumination modes.
- ⑨ USB-A Output Ports (×4): High-speed charging ports.
- ⑩ USB-C Output Ports (×2): PD-protocol fast charging interfaces.
- ⑪ DC5521 Output Ports (×2): Regulated 12V DC power interface.



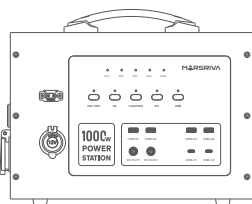
Back



Left

- ⑫ LED Light: Integrated illumination panel.
- ⑬ AC Charging Input: Standard AC input for grid charging.
- ⑭ AC Output Ports (×2): Pure Sine Wave power sockets.

WHAT'S IN THE BOX



Portable Power Station × 1

User Manual × 1

AC Charging Cable × 1

Note: Cable types may vary depending on the destination region.

OPERATING INSTRUCTIONS

General Preparation: Long-press the Main Power Button to turn the device on or off. The status light will remain green when active.

1. LED Battery Display

The display features five LED segments: four green (each representing 25% capacity) and one dual-color indicator. The dual-color light turns red when the remaining battery is $\leq 20\%$.

2. Output Modes

- **USB/Type-C:** Short-press the USB button to activate. The USB status light will turn on. Press again to deactivate.
- **DC & Cigarette Lighter:** Short-press the DC button to activate. The status light will turn on. Press again to deactivate.
- **AC Output:** Short-press the AC button to activate. The status light will turn on. Press again to deactivate.

Note: This unit supports UPS functionality with a switching time of $\leq 10\text{ms}$ (typical 10 ms).

3. LED Lighting

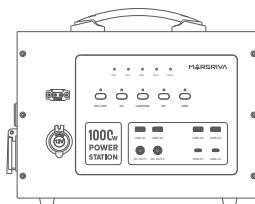
Short-press the Light button to toggle modes: 50% brightness → 100% brightness → SOS → Breathing light. Long-press (2-3 s) to turn off.

ENERGY-SAVING MODE

The device will automatically power off after 10 hours of inactivity when the total load is below 8W.

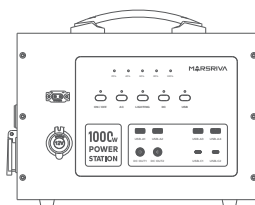
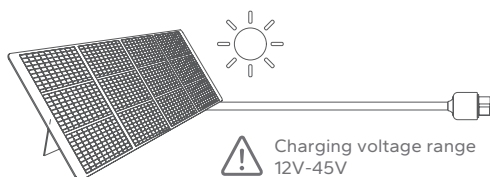
INPUT CONFIGURATION

AC CHARGING



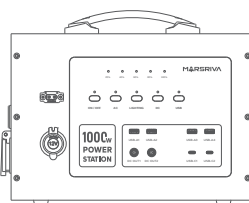
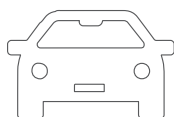
1. Connect the device to a wall outlet using the provided AC cable.
2. The battery indicators will flash to confirm charging. If the internal temperature rises, the cooling fan will activate automatically.
3. Charging stops automatically once the battery is full.

SOLAR CHARGING



1. Place solar panels (12V–45V) in direct, unobstructed sunlight.
2. Connect the solar panel output to the XT60 input port on the device.
3. The battery indicators will flash to confirm charging. If the internal temperature rises, the cooling fan will activate automatically.
4. Charging stops automatically once the battery is full.

CAR CHARGING



1. Insert the charging cable into the vehicle's cigarette lighter socket, then connect the other end to the XT60 input port on the device.
2. Start the vehicle to initiate the charging process.
3. The battery indicators will flash to confirm charging. If the internal temperature rises, the cooling fan will activate automatically.
4. Charging stops automatically once the battery is full. Please disconnect the cable from both the vehicle and the device when charging is complete.

Note: The system includes intelligent thermal management and will automatically adjust charging power based on battery temperature.

PRECAUTIONS FOR PRODUCT USE

1. Handling & Storage

- **Handle with care:** Avoid dropping, violent impact, or unauthorized disassembly. The unit contains high-voltage components; disassembly poses a significant safety risk.
- **Environment:** Store in a dry, well-ventilated area. Avoid extreme temperatures, as they will degrade battery life and potentially damage the casing.
- **Cleaning:** Do not use corrosive solvents. Use a soft cloth or cotton swab with a small amount of isopropyl alcohol (90%+) for cleaning.

2. Operational Guidelines

- **Compatibility:** Ensure your devices are within the power and voltage range of this unit.
- **Cables:** Always use the original provided cables to ensure safety and performance.
- **Startup Sequence:** Please connect your device to the power station before turning on the unit's output. Note: Slight sparking when connecting high-load devices is normal.
- **Fan Care:** Keep air vents clear of dust and debris. During operation, the fan may continue to run for a short time after discharge to regulate internal temperatures; this is normal.

3. Battery Maintenance

- **Initial Use:** Please fully charge the device before its first use.
- **Long-term Maintenance:** To maintain battery health, fully discharge and recharge the unit at least once every 2 months
- **Thermal Safety:** If the device reaches high temperatures during operation, it will trigger an automatic power-off protection. After discharge, allow the device to rest for 30 minutes before recharging to extend battery longevity.

WARRANTY POLICY

1. Warranty Coverage

During the warranty period, we provide free repair services for failures occurring under normal use as specified in the manual. Replaced parts shall become the property of the company. Please retain this warranty card and submit it with your product for all service requests.

2. Limited Warranty (Exclusions)

Free repair services do not apply to the following conditions:

- Failure to follow the instruction manual or safety precautions.
- Improper storage, including battery failure due to prolonged lack of recharging.
- Use of non-specified power adapters or operation outside the rated voltage range.
- Unauthorized disassembly, modification, or self-repair.
- Cosmetic damage (exterior/surface coating) or damage to packaging and accessories.
- Damage caused by force majeure (e.g., natural disasters, war, or social unrest).

3. Proof of Purchase

If the dealer stamp is missing, please provide a valid proof of purchase (e.g., receipt, invoice, or online order screenshot). If you cannot provide proof of purchase, please contact your authorized retailer or our support team directly.

Important Notices

Documentation: Please store this manual in a secure place.

Accuracy: Illustrations in this manual are for reference only; the actual product shall prevail.

Policy Updates: The company reserves the right to modify manual content and printing specifications without prior notice.

Thank you for choosing MARSRIVA

PRODUCT WARRANTY CARD

[PRODUCT INFORMATION]

Model :

Serial Number (S/N):

Purchase Date (DD / MM / YYYY)

Dealer Name & Address :

[CUSTOMER INFORMATION]

Name :

Email Address :

Phone Number :

WARRANTY TERMS & CONDITIONS

This warranty applies exclusively to original, newly manufactured products. It does not cover items sold as used, refurbished, or manufacturing seconds. Please retain this card alongside your original proof of purchase (receipt or invoice) to validate your warranty status.

IMPORTANT

Please store this document in a secure location for future reference. Marsriva reserves the right to request this card and proof of purchase prior to authorizing repair services. This policy does not affect or limit your mandatory statutory consumer rights.

MARSRIVA Technology Co., Ltd.

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E-mail: support@marsriva.com

Made in China

Specifications are subject to change without notice,
all product drawings are for reference only.

