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> Mashine K10 Portable Power Station 1000W/666Wh User Manual

mashine K10

Mashine K10 Portable Power Station 1000W/666Wh User Manual

Model: K10 | Brand: Mashine

1. INTRODUCTION

The Mashine K10 Portable Power Station is a compact and versatile power generator designed to provide reliable electricity for various applications. It features a 1000W rated output and a 666Wh battery capacity, making it suitable for powering most household appliances, sensitive electronics, and outdoor equipment. This manual provides essential information for safe operation, maintenance, and troubleshooting of your power station.



Image 1.1: Front view of the Mashine K10 Portable Power Station, showing the display and various output ports.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the Mashine K10 Portable Power Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep the power station away from heat sources, direct sunlight, and flammable materials.
- Do not expose the unit to water or other liquids.
- Ensure proper ventilation during use to prevent overheating. The internal fan will generate noise during high-speed rotation, which is normal.
- Use only approved charging cables and adapters.
- Keep out of reach of children.
- Do not insert foreign objects into the ports.
- If the power station generates excessive heat, emits smoke, or shows other abnormal behavior, discontinue use immediately and contact customer support.
- When charging with a solar panel, ensure the power does not exceed 120W to prevent damage to the charging port.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Mashine Portable Power Station (K10)
- EU 2-pin Charger
- User Guide (this manual)



Image 3.1: Mashine K10 Portable Power Station, packaging, and included user manual.

4. PRODUCT FEATURES AND COMPONENTS

The Mashine K10 Portable Power Station is equipped with multiple features for versatile power delivery.

- **1000W Pure Sine Wave AC Output:** Provides stable power for most household appliances.
- **666Wh Battery Capacity:** Extended power supply for various devices.
- **Multiple Output Ports:**
 - 4 x AC Outlets (220-230V/50-60Hz)
 - 4 x USB Ports (DC 5V/2A)
 - 1 x USB-C PD60W Port
 - 1 x Cigarette Lighter Output (DC 12V/120W)

- **Multiple Charging Options:** Can be recharged via household AC outlet, car cigarette lighter, or solar panel (solar panel not included).
- **Intelligent Display:** Shows battery voltage, charge percentage, and output status.
- **Integrated LED Lighting:** Offers 4 modes: Strong, Weak, SOS, and Red/Blue flashing.
- **Advanced Safety Protections:** High temperature, short-circuit, overcharge, overload, and overcurrent protection.
- **Portable Design:** Compact size and integrated handle for easy transport.



Image 4.1: Close-up of the Mashine K10's control panel, highlighting the 4 AC outlets and the high-speed cooling fan on the side.



WEIGHT ONLY 260 OZ

Great power and small size, very easy to carry when you go outdoors or picnics.

Image 4.2: The Mashine K10 Portable Power Station being carried by its handle, demonstrating its portability for outdoor use.

5. SETUP

Before first use, ensure the power station is fully charged.

1. **Unpack:** Carefully remove the power station and all accessories from the packaging.
2. **Initial Charge:** Connect the provided EU 2-pin charger to the DC 12V input port on the power station and plug it into a wall outlet. The intelligent display will show the charging status. A full charge typically takes approximately 4 hours.
3. **Placement:** Place the power station on a stable, flat surface with adequate ventilation. Avoid placing it on soft surfaces that may block the cooling vents.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To power on the unit, press and hold the main power button (usually marked with a power symbol) for a few seconds until the display illuminates.

- To power off, press and hold the main power button again.

6.2 Using AC Outlets

- Press the "AC" button to activate the AC output. The AC icon on the display will light up.
- Plug your AC-powered devices into the 220-230V AC outlets.
- Ensure the total power consumption of your devices does not exceed 1000W.
- When finished, press the "AC" button again to turn off the AC output and conserve battery.

6.3 Using USB Ports

- Press the "USB" button to activate the USB outputs. The USB icon on the display will light up.
- Connect your USB-powered devices (smartphones, tablets, drones, etc.) to the USB-A or USB-C (PD60W) ports.
- When finished, press the "USB" button again to turn off the USB output.

6.4 Using DC Output (Cigarette Lighter)

- The DC 12V cigarette lighter output is typically active when the unit is powered on. Check the display for a DC icon.
- Plug your 12V DC devices (e.g., mini-cooler, car vacuum) into the cigarette lighter port.
- Ensure the device's power consumption does not exceed 120W.

6.5 LED Lighting Modes

- Press the "LED" button to cycle through the lighting modes:
 - a. First press: Strong light
 - b. Second press: Weak light
 - c. Third press: SOS mode (flashing)
 - d. Fourth press: Red and blue flashing (warning light)
 - e. Fifth press: Turn off LED light



Image 6.1: The Mashine K10 Portable Power Station in a camping setting, demonstrating its ability to power a kettle.

7. CHARGING THE POWER STATION

The Mashine K10 offers multiple ways to recharge its internal battery.

- **AC Wall Outlet:** Use the provided EU 2-pin charger. Connect it to the DC 12V input port. Full charge in approximately 4 hours.
- **Car Charger:** Connect a car charger (not included) to the DC 12V input port and your vehicle's cigarette lighter socket.
- **Solar Panel:** Connect a compatible solar panel (DC 18V/120W max, not included) to the DC 12V input port.
Caution: Do not exceed 120W input from the solar panel to prevent damage.

8. MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the power station. Do not use abrasive cleaners or solvents.
- **Storage:** Store the power station 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 prolong battery life.

- **Ventilation:** Ensure the cooling vents are clear of dust and debris.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power station not turning on	Battery is depleted; Power button not pressed correctly.	Charge the power station; Press and hold the power button for a few seconds.
AC output not working	AC output not activated; Device power exceeds 1000W; Overload protection triggered.	Press the "AC" button; Reduce connected load; Disconnect devices, turn off AC, then restart.
USB output not working	USB output not activated; Device not compatible.	Press the "USB" button; Try a different USB port or device.
Unit is overheating / Fan is noisy	Normal operation under heavy load; Vents blocked.	Ensure proper ventilation; Clear any obstructions from vents. (Fan noise is normal during high-speed operation).
Slow charging via solar panel	Insufficient sunlight; Panel not optimally positioned; Panel power too low.	Ensure direct sunlight; Adjust panel angle; Use a higher wattage panel (up to 120W).

10. SPECIFICATIONS

Feature	Detail
Model	K10
Rated AC Output Power	1000W
Battery Capacity	666Wh (Lithium-ion Polymer)
AC Output Voltage/Frequency	220-230V / 50-60Hz
USB Output	DC 5V/2A (4 ports), PD60W (1 port)
Cigarette Lighter Output	DC 12V/120W
DC Input (Charging)	DC 12V (for AC adapter and car charger)
Solar Panel Input Requirement	DC 18V/120W (Max)
Optimal Working Temperature	20-25°C
Product Dimensions (L x W x H)	26 x 19 x 20 cm (10.2 x 7.5 x 7.9 inches)
Product Weight	7.4 kg (261 oz)

11. WARRANTY AND SUPPORT

Mashine products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official Mashine website.

Please retain your proof of purchase for warranty claims.