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MASTER U-POWER MF-UPS650VA

Master Power UPS 650VA 360W Uninterruptible Power Supply User Manual

Model: MF-UPS650VA

1. INTRODUCTION

Thank you for choosing the Master Power UPS 650VA 360W. This Uninterruptible Power Supply (UPS) is designed to provide reliable backup power and surge protection for your electronic devices, safeguarding them against power outages, voltage fluctuations, and electromagnetic interference. This manual provides essential information for the safe and efficient use of your UPS.

2. SAFETY INFORMATION

Please read and follow all safety instructions carefully before installing and operating the UPS. Failure to do so may result in electric shock, fire, or serious injury.

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not operate the UPS in environments with excessive humidity or extreme temperatures.
- Ensure the UPS is connected to a grounded power outlet.
- Do not connect appliances that draw high current, such as hair dryers or vacuum cleaners, to the UPS outlets.
- In case of fire, use a dry chemical fire extinguisher. Do not use water.
- Disconnect the UPS from the power source before cleaning. Use a dry cloth for cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Master Power UPS 650VA 360W Unit
- Integrated 12V 7AH Lead-Acid Battery (pre-installed)
- User Manual (this document)

- USB Communication Cable (for software monitoring, if applicable)

4. PRODUCT OVERVIEW

The Master Power UPS 650VA 360W features a compact design with essential ports and indicators for ease of use.

Front Panel



Image: Front view of the Master Power UPS 650VA 360W. The front panel includes the power button and three LED indicators for status monitoring.

- **Power Button:** Turns the UPS on or off.
- **LED Indicators:** Display the operational status, battery level, and fault conditions.

Rear Panel



Image: Rear view of the Master Power UPS 650VA 360W. This panel features two Schuko output sockets, a USB communication port, and RJ11 ports for surge protection of telephone/network lines.

- **Schuko Output Sockets (x2):** Provide battery backup and surge protection for connected devices.
- **USB Communication Port:** Connects to a computer for monitoring UPS status and managing shutdown functions.
- **RJ-11 Ports:** Offer surge protection for telephone or network lines.
- **Input Power Cable:** Permanently attached cable for connecting to the main power supply.
- **Fuse:** Resettable circuit breaker for overload protection.

Dimensions and Weight



PC
CASA / OFICINA



IMPRESORA



CÁMARA DE
VIDEOVIGILANCIA



DVR



SMART TV DE
MÁS DE 32"



WIFI



ALARMA

Image: Diagram illustrating the physical dimensions of the Master Power UPS 650VA 360W. The unit measures 289 mm in length, 101 mm in width, and 142 mm in height, with a total weight of 4.3 kg.

5. SETUP

Follow these steps to set up your Master Power UPS:

1. **Unpack the UPS:** Carefully remove the UPS from its packaging. Inspect for any shipping damage.
2. **Position the UPS:** Place the UPS in a cool, dry, and well-ventilated area, away from direct sunlight and heat sources. Ensure adequate clearance around the unit for proper airflow.
3. **Initial Charging:** Before initial use, connect the UPS to a standard wall outlet and allow it to charge for at least 6 hours. This ensures the battery is fully charged and ready to provide optimal backup time.
4. **Connect Devices:** Plug your computer, monitor, modem/router, or other critical electronic devices into the Schuko output sockets on the rear panel of the UPS. Ensure the total power consumption of connected devices does not exceed 360W.
5. **Connect USB (Optional):** For advanced monitoring and automatic shutdown features, connect the USB communication cable from the UPS to your computer. Install the appropriate UPS monitoring software (refer to the manufacturer's website for software downloads).
6. **Connect RJ-11 (Optional):** If desired, connect your telephone or network line through the RJ-11 ports on the UPS for surge protection.

7. **Power On:** Press the power button on the front panel to turn on the UPS. The LED indicators will illuminate to show its status.

6. OPERATING INSTRUCTIONS

Once set up, the Master Power UPS operates automatically to protect your devices.

Normal Operation

- When connected to a wall outlet, the UPS charges its internal battery and provides conditioned power to connected devices.
- The UPS continuously monitors the incoming power for fluctuations and outages.

Power Outage

- In the event of a power outage, the UPS automatically switches to battery power, providing uninterrupted power to connected devices.
- The UPS will emit an audible alarm (beeping) to indicate it is operating on battery power.
- Depending on the load, the UPS can provide approximately 10 minutes of backup for a typical PC or up to 40 minutes for a modem/router.
- During a prolonged outage, save your work and properly shut down your computer to prevent data loss.

Power Restoration

- When utility power returns, the UPS automatically switches back to utility power and begins recharging its battery.
- The audible alarm will cease.

Software Monitoring (via USB)

- If you have installed the UPS monitoring software, you can view real-time status, battery charge level, input/output voltage, and configure automatic shutdown settings for your computer during extended power outages.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your UPS.

Battery Care

- The internal lead-acid battery has an average lifespan of 1 year.
- To maximize battery life, avoid frequent deep discharges.
- Perform a battery self-test (if available via software) periodically to check battery health.

Battery Replacement

The UPS is designed for easy battery replacement. The integrated battery is a 7AH 12V unit. For replacement, compatible batteries include 7AH 12V, 7.2AH 12V, or 9AH 12V for potentially extended autonomy. Refer to the manufacturer's guidelines or a qualified technician for battery replacement procedures.

Cleaning

- Ensure the UPS is turned off and disconnected from the wall outlet before cleaning.

- Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or solvents.
- Keep ventilation openings clear of dust and debris.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
UPS does not turn on	No utility power; Battery discharged; Power button not pressed correctly.	Check wall outlet; Allow UPS to charge for 6 hours; Press and hold power button for 2-3 seconds.
UPS beeps continuously	Operating on battery power; Overload; Low battery.	This is normal during power outage; Reduce connected load; Allow battery to recharge.
Short backup time	Battery not fully charged; Battery nearing end of life; Excessive load.	Charge UPS for 6 hours; Consider battery replacement; Reduce connected devices.
Connected devices not receiving power	UPS is off; Overload; Faulty cable.	Turn on UPS; Check for overload and reset fuse; Verify device cables.

If the problem persists after trying these solutions, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	MASTER U-POWER
Model	MF-UPS650VA
Product Dimensions (L x W x H)	28.9 x 10.1 x 14.2 cm
Product Weight	3.9 kg
Output Power	650 VA
Electrical Power	360 Watts
Voltage	230 Volts
Battery Type	1 x 12V Lead-Acid (7AH integrated)
Average Battery Life	1 year
Charging Time	6 Hours (to 90% capacity)
Material Type	Plastic
Output Sockets	2 x Schuko

Feature	Specification
Communication Ports	USB, RJ-11

10. WARRANTY AND SUPPORT

Master Power products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or service inquiries, please visit the official Master Power website or contact their customer service department.