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APC BV-500I-MSX

APC BV500I-MS Easy UPS User Manual

Model: BV-500I-MSX

1. INTRODUCTION

The APC BV500I-MS Easy UPS is an Uninterruptible Power Supply designed to provide power protection for electronic equipment against unstable power conditions, including outages, surges, and spikes. It ensures consistent and reliable power delivery, safeguarding your hardware and data. This manual provides instructions for the proper setup, operation, and maintenance of your Easy UPS.

2. PRODUCT OVERVIEW

The APC BV500I-MS is a compact and versatile UPS unit. It features Automatic Voltage Regulation (AVR) to correct low and high voltages to safe levels without using battery power, thereby preserving battery life. Its design allows for flexible placement, including upright, flat, or wall-mounted configurations.



Figure 1: APC BV500I-MS Easy UPS front-top view with universal outlets. This image displays the APC BV500I-MS Easy

UPS from a top-front angle, highlighting the four universal outlets for connecting devices and the ventilation grilles.



Figure 2: APC BV500I-MS Easy UPS side view with power input. This image shows a side view of the APC BV500I-MS Easy UPS, illustrating the power input cable connection point and additional ventilation.



Figure 3: APC BV500I-MS Easy UPS bottom view with mounting options and data port. This image presents the bottom panel of the APC BV500I-MS Easy UPS, featuring keyhole slots for wall mounting and a data port, likely for communication or monitoring.

3. SAFETY INFORMATION

Read these instructions carefully before installing or operating the UPS. Keep this manual for future reference.

- This UPS is intended for indoor use only.
- Do not operate the UPS in direct sunlight, in contact with fluids, or where there is excessive dust or humidity.

- Ensure the ventilation openings are not blocked.
- Connect the UPS power cable directly to a wall outlet. Do not use extension cords.
- The battery is not user-replaceable. Refer to qualified service personnel for battery replacement.
- Always disconnect the UPS from the power supply before cleaning or servicing.

4. SETUP

1. **Unpack the UPS:** Carefully remove the UPS from its packaging and inspect it for any damage.
2. **Placement:** Position the UPS in a location that allows for adequate ventilation. The slim, modern design allows for upright, flat, or wall-mounted installation. Ensure it is away from direct sunlight, heat sources, and moisture.
3. **Connect to Utility Power:** Plug the UPS power cord into a grounded 230V AC wall outlet. The UPS will begin charging its internal battery. Allow the battery to charge for at least 8 hours before connecting critical equipment to ensure maximum runtime.
4. **Connect Equipment:** Plug your electronic devices (e.g., computer, monitor, network gateway) into the universal outlets on the UPS. Ensure that the total power consumption of connected devices does not exceed the UPS's capacity (300W).
5. **Power On:** Press the power button on the front of the UPS to turn it on. The indicator light will illuminate.

5. OPERATION

5.1 Power On/Off

- **To Power On:** Press and hold the power button until the indicator light illuminates.
- **To Power Off:** Press and hold the power button until the indicator light turns off.

5.2 Automatic Voltage Regulation (AVR)

The UPS automatically corrects low and high voltages to safe levels for your connected equipment without switching to battery power. This feature helps to preserve battery life and maximize runtime during actual power outages.

5.3 Battery Backup Function

During a power outage, the UPS will automatically switch to battery power, providing temporary power to connected devices. The UPS will emit an audible alarm to indicate it is operating on battery power. The indicator light will also change status to reflect battery operation.

During a power outage, save any open files and shut down your computer properly to prevent data loss. The UPS provides sufficient runtime for this purpose, especially for critical low-power devices like network gateways.

6. MAINTENANCE

6.1 Battery Care

- The UPS contains a sealed, maintenance-free lead-acid battery.
- To ensure optimal battery life, keep the UPS connected to utility power at all times.
- Avoid storing the UPS in extreme temperatures.
- The battery is not user-serviceable. If the battery requires replacement, contact APC customer support or

a qualified service technician.

6.2 Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are clear of dust and debris.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your APC BV500I-MS Easy UPS.

- **UPS does not turn on:**

- Ensure the UPS power cord is securely plugged into a live wall outlet.
- Verify the wall outlet is functioning by plugging in another device.
- Ensure the power button is pressed and held long enough to activate the unit.

- **UPS is beeping continuously or frequently:**

- This usually indicates the UPS is operating on battery power due to a power outage or severe voltage fluctuation. Save your work and shut down connected equipment if the outage is prolonged.
- If utility power is present, check for an overload condition (too many devices connected or devices drawing too much power). Disconnect non-essential equipment.

- **Connected equipment loses power during an outage:**

- Ensure equipment is plugged into the battery backup outlets, not just surge-only outlets (if applicable, though this model has universal outlets for battery backup).
- The UPS might be overloaded. Reduce the number of connected devices.
- The battery may be depleted or at the end of its service life. Allow the UPS to charge for 8 hours, or consider battery replacement if the issue persists.

For further assistance, refer to the APC support website or contact customer service.

8. SPECIFICATIONS

Feature	Detail
Brand	APC
Model Number	BV-500I-MSX
Part Number	BV500I-MS
Output Power Capacity	300 Watts / 500 VA
Nominal Output Voltage	230V AC
Nominal Input Voltage	230V AC
Input Frequency	50/60 Hz auto-sensing
Battery Type	Lead Acid
Typical Recharge Time	8 hours (to 90% capacity)

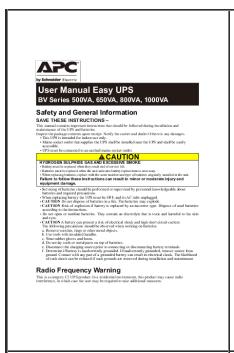
Feature	Detail
Outlets	4 Universal Outlets
Product Dimensions (H x W x D)	60 x 60 x 85 cm
Item Weight	4.2 kg
Material	Plastic
Power Plug Type	Type F - 2 pin (German)

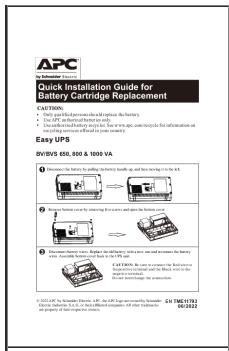
9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official APC by Schneider Electric website. For technical support, product registration, or further assistance, please visit the APC support portal or contact their customer service department.

Online Resources: www.apc.com/support

Related Documents - BV-500I-MSX

	<p>APC Easy UPS BV Series 500VA, 650VA, 800VA, 1000VA User Manual</p> <p>User manual for APC Easy UPS BV Series (500VA, 650VA, 800VA, 1000VA) covering safety information, installation, features, specifications, status indicators, operational features like Automatic Voltage Regulation (AVR), troubleshooting, service procedures, and warranty details.</p>
	<p>APC Back-UPS BX Series User Manual: Installation, Operation, and Troubleshooting</p> <p>Comprehensive user manual for APC Back-UPS BX Series (500VA to 2200VA) from Schneider Electric, covering safety instructions, product description, operational features, installation, troubleshooting, service, and warranty information.</p>
	<p>APC Back-UPS Pro 1200/1500 230V Installation and Operation Guide</p> <p>Comprehensive guide for installing and operating the APC Back-UPS Pro 1200/1500 230V. Covers safety, setup, software installation, operation, troubleshooting, specifications, and warranty.</p>

	<p><u>APC Easy UPS BV/BVS Battery Cartridge Replacement Guide</u></p> <p>A concise guide for replacing the battery cartridge in APC Easy UPS BV/BVS 650, 800, and 1000 VA models. Includes essential safety precautions and instructions for proper battery handling and recycling.</p>
	<p><u>APC Easy UPS On-Line SRV Series Rack-Mount User Manual</u></p> <p>Comprehensive user manual for APC Easy UPS On-Line SRV Series Rack-Mount models (1000VA, 2000VA, 3000VA), covering safety, installation, operation, specifications, troubleshooting, and warranty information.</p>
	<p><u>APC Easy UPS BVX Series User Manual: Installation, Operation, and Troubleshooting</u></p> <p>Comprehensive user manual for APC Easy UPS BVX Series (700VA to 2200VA). Covers safety instructions, installation, operational features like AVR and USB charging, specifications, status indicators, troubleshooting, and service information.</p>