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> Microtek Super Power 900 Advanced Digital Inverter User Manual

MICROTEK UPSEB 900 VA (12)

Microtek Super Power 900 Advanced Digital Inverter User Manual

Model: UPSEB 900 VA (12) | Brand: MICROTEK

1. PRODUCT OVERVIEW

The Microtek Super Power 900 Advanced Digital Inverter is designed to provide reliable power backup for homes and offices. This 800VA/12V inverter features advanced digital technology and a clear LED display for monitoring operational status.



Image 1: Front view of the Microtek Super Power 900 Advanced Digital Inverter.

Key Features:

- **Inverter Type:** Square Wave & Pure Sine Wave (as per product details, though primary title suggests digital, feature bullets mention both).
- **VA Rating:** 1125VA/12V (as per feature bullets, product title states 800VA/12V, clarifying 1125VA is the rating, 800VA is likely the nominal capacity).
- **Max. Peak Load:** 900 watts.

- **Battery Compatibility:** Supports 1 x 12V battery with capacity between 100 Ah-200 Ah (Flat Plate, Tubular, SMF types). Battery sold separately.
- **Display:** Digital LED display for power backup status and battery charging time in hours and minutes.
- **Safety Features:** Resettable Circuit Breaker, Auto Reset during and after overload conditions.
- **Technology:** Low Watt Loss EI Core Transformer, Dura Retain Technology for longer backup, Constant Continuous Regulated Charging, Intellicharge Pulse Technology for faster charging and longer battery life.



Image 2: Diagram illustrating key technologies and features of the inverter.

2. SETUP INSTRUCTIONS

2.1 Unboxing and Inspection

Carefully remove the inverter from its packaging. Inspect the unit for any signs of damage. The package should contain:

- 1 UPS EB 900 (800Va) 672 Watts Digital Inverter

2.2 Battery Connection

The inverter is designed to work with a single 12V battery (100 Ah to 200 Ah capacity). Ensure the battery is placed in a well-ventilated area.

1. Connect the **red** cable from the inverter to the **positive (+)** terminal of the battery.
2. Connect the **black** cable from the inverter to the **negative (-)** terminal of the battery.
3. Ensure all connections are tight and secure to prevent sparking or poor performance.



Image 3: Rear view of the inverter showing battery connection terminals.

2.3 Power Connection

1. Plug the inverter's AC input cord into a standard wall outlet.
2. Connect your appliances to the AC output sockets on the inverter.

Your browser does not support the video tag. This video demonstrates the setup and features of the Microtek Super Power 900 Advanced Digital Inverter, including battery and power connections.

Video 1: Product overview and setup guide for the Microtek Super Power 900 Inverter.

3. OPERATING INSTRUCTIONS

3.1 Turning On/Off

- To turn on the inverter, press and hold the power button located on the front panel until the display illuminates.
- To turn off the inverter, press and hold the power button again until the display turns off.

3.2 Understanding the LED Display

The digital LED display provides real-time information about the inverter's status:

- **Mains On:** Indicates that the inverter is receiving power from the main electricity supply.
- **UPS On:** Indicates that the inverter is providing power from the battery (in UPS mode).
- **Charging:** Indicates that the battery is currently being charged.
- **Overload:** Warns of excessive load connected to the inverter.
- **Batt Low:** Indicates that the battery charge is low.
- **CB Trip:** Indicates that the circuit breaker has tripped due to an overload or short circuit.
- **Time Display:** Shows remaining power backup time or battery charging time in hours and minutes.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your inverter.

- **Battery Care:** Regularly check battery water levels (for tubular/flat plate batteries) and ensure terminals are clean and free from corrosion.
- **Cleaning:** Keep the inverter unit clean and free from dust. Use a dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.
- **Ventilation:** Ensure adequate airflow around the inverter to prevent overheating. Do not place it in an enclosed space.
- **Load Management:** Avoid consistently overloading the inverter to prevent premature wear and ensure efficient operation.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your inverter.

Problem	Possible Cause	Solution
Inverter not turning on	Loose battery connections, discharged battery, no mains power.	Check battery terminals, ensure battery is charged, verify mains power supply.
Overload indicator on	Too many appliances connected, short circuit in an appliance.	Reduce the load by disconnecting some appliances. Check appliances for faults. The inverter has an auto-reset feature for overload conditions.
Battery Low indicator on	Battery discharged, charging issue.	Allow the battery to charge fully. Check mains power supply and charging connections.

Problem	Possible Cause	Solution
Humming sound from inverter/appliances	Normal operation for some appliances, or potential issue with power quality.	Some appliances may produce a slight hum when running on inverter power. If the hum is excessive or new, ensure the inverter is properly grounded and connections are secure.
Slow charging	Low input voltage, battery health, charging mode settings.	Ensure stable mains input voltage. Check battery health. Consult service if issue persists.

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

6. SPECIFICATIONS

Detailed technical specifications for the Microtek Super Power 900 Advanced Digital Inverter.

Specification	Detail
Manufacturer	UNIVERSAL POWER PRODUCT
Country of Origin	India
Item Model Number	UPSEB 900 VA (12)
Product Dimensions (LxWxH)	38 x 34.5 x 18 Centimeters
Item Weight	9 kg 700 g
Net Quantity	1 Count
Included Components	1 UPS EB 900 (800Va) 672 Watts Digital Inverter
Generic Name	Digital UPS Inverter
Recommended Uses	Monitoring
Power Source	AC
Wattage	672 Watts
Battery Capacity (Compatible)	100 Ah - 200 Ah (12V)

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Microtek Super Power 900 Advanced Digital Inverter comes with **a2-year warranty** from the manufacturer. This warranty is an onsite warranty provided directly by the manufacturer.

For detailed terms and conditions of the warranty, please refer to the warranty card supplied along with the product.

7.2 Customer Support

For any technical assistance, service requests, or warranty claims, please contact the manufacturer directly. Contact details can be found on the warranty card or the official Microtek website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question