RADWI
ENGINEERING MIRACLES

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12V Mini Router UPS

Product Data Sheet 2026

Product Overview



The RADWI 12V Mini Router UPS provides uninterrupted power to routers, modems, and networking equipment during power outages. Built with high-quality lithium-ion cells and intelligent battery protection, it ensures reliable internet connectivity for homes and businesses.

Applications





- WiFi Routers
- Fiber ONT Devices
- DSL Modems
- CCTV Systems
- Network Switches

Important Note
For optimum performance, charge the UPS for at least 5 hours without load before first-time use.

Technical Specifications

Battery Performance

4000mAh Lithium-Ion Battery

Designed with high-quality 18650 lithium-ion cells to provide reliable backup power during outages.

- Battery Type: Lithium Ion 18650 Cell
- Battery Capacity: 4000mAh
- Number of Cells: 3
- Backup Time: 4 – 5 Hours
- Operational Life: Up to 2 Years
- Operating Temperature: -10°C to 50°C

Power System

Reliable 12V Power Output

Ensures stable power delivery for routers, ONTs, modems, CCTV systems, and networking equipment.

- Output Voltage: 12V DC
- Output Power: 12.8Wh – 16.8Wh
- Charging Time: 2 – 2.5 Hours
- Adapter Input: 100-250VAC, 1.0A, 50/60Hz
- Adapter Output: 12VDC, 2.5A

Advanced Battery Protection Smart BMS Technology

Integrated HX-3S-01 Battery Management System for enhanced safety and battery longevity.

- BMS Model: HX-3S-01
- Type: 3S 10A 12.6V BMS
- Charging Voltage: 12.6V – 13V
- Overvoltage Protection: 4.25V – 4.35V
- Undervoltage Protection: 2.3V – 3.0V

Supported Connectors

Supports multiple DC connector types for compatibility with a wide range of routers and networking devices.



Connector Details



Type 1

5.5 × 2.1mm × 10mm

Type 2

5.5 × 2.1mm × 9.5mm

Type 3

5.5 × 2.5mm

Type 4

5.5 × 2.1mm × 9.5mm

Company Contact

Get in touch with us

For inquiries, support, or bulk orders, please reach out to RADWI.

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