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MT-UPS-1P-120.220V-5KVA-120V-R1-N1

5 KVA Uninterruptible Power Supply – Online Double Conversion – 120–220V AC Input to 120V AC Output – 1PH – Rackmount – 4000W – SLA Batteries

Product ID: 335302



Image: MT-UPS-1P-120.220V-5KVA-120V-R1-N1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-UPS-1P-120.220V-5KVA-120V-R1-N1 Uninterruptible Power Supply

Unit Type: Uninterruptible Power Supply – Online Double Conversion UPS, Rackmount (Single Unit)
Dimensions (UPS): 17.5"-W x 20.7"-D x 6.85"-H
Dimensions (Battery): External Battery Packs (Optional, Rackmount Compatible)
Weight: 185 lbs
Shipping Dimensions:
Shipping Weight:
Input Voltage: 120–220V AC, 1PH
Input Frequency: 40–70 Hz Auto-Sensing
Output Voltage: 120V AC (via Integrated Step-Down Transformer), 1PH
Output Power Capacity: 4000W / 5KVA
Max Configurable Power: Expandable with External Battery Packs
Output Frequency: 50/60 Hz Auto-Sensing
Output Voltage Regulation: ±3%
Crest Factor: 3:1, Double Conversion Online
Efficiency: ≥94%
Overload Capability: 125% for 10 min, 150% for 10 sec
Transfer Time: 0 ms (Online Double Conversion UPS)
Waveform Type: Sine Wave

Ratings/Approvals

UL Listed

3-year UPS warranty
2-year battery warranty

Battery Type: Maintenance-Free Sealed Lead-Acid (VRLA)

Recharge Time: 2-3 Hours

Filtering: Power Conditioning and Surge Protection Included

Interface: Ethernet (10/100), USB, Serial, Embedded Network Management Card
Pre-Installed SmartSlotT Cards: Embedded Network Management Card (SNMP / Web Monitoring)
Control Panel: LCD Display for Status and Configuration
Audible Alarm: Audible Alarm for Power Events and Fault Conditions
Operating Temp: 0°C to 40°C
Operating/Storage Relative Humidity: 0-95%
Operating Elevation: 0-10,000`

Storage Temp: -15°C to 45°C

Storage Elevation: 0-50,000`

Materials: -

Hardware Material: Zinc Plated Steel
Enclosure Finish: Aluminum Lacquer Paint
Mount: Rackmount (Rails Included)
Input Connections: Cord and Plug (NEMA L6-30P or Equivalent)
Output Connections: (12) NEMA 5-20R, (2) NEMA L6-20R, (2) NEMA L6-30R
Bypass: Automatic Internal Bypass
All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Operational Features

Automatic internal bypass

Scalable runtime with external battery packs
LCD display for status and configuration
Power conditioning and surge protection
Remote monitoring capability
Rack/tower convertible

Special Orders - Special Requirements
Contact us for special requirements
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The MT-UPS-1P-120.220V-5KVA-120V-R1-N1 is an Industrial Uninterruptible Power Supply (UPS) designed for work sites and critical IT infrastructure requiring reliable backup power for servers, networking equipment, and telecom systems. This battery backup unit operates on single-phase 120–220V AC input and provides 120V AC output via an integrated step-down transformer. A built-in LCD display enables real-time monitoring and configuration of the power device.

The MT-UPS-1P-120.220V-5KVA-120V-R1-N1 operates on single-phase 120–220V AC input with a 40–70 Hz auto-sensing frequency range and delivers single-phase 120V AC output. The unit provides 5 kVA (4000W) of output power capacity and is designed with true online double-conversion topology for continuous, clean power delivery. Output voltage regulation is maintained within ±3%, with pure sine wave output and zero transfer time for seamless operation during power interruptions.

The UPS uses maintenance-free sealed lead-acid (VRLA) batteries that are hot-swappable and designed for reliability in continuous operation. The system supports expandable runtime through external battery packs, allowing users to scale backup duration based on application requirements.

A front control interface provides LCD-based status monitoring for system performance, load levels, and battery condition. The unit also includes audible alarms for power events and fault conditions, ensuring operators are immediately alerted to system changes.

For communications and system integration, the UPS features an embedded network management card supporting SNMP, HTTP, and web-based monitoring. Additional interfaces include Ethernet, USB, and serial ports, enabling remote monitoring and shutdown capabilities for connected servers and virtual machines.

Wiring: The unit utilizes a cord-and-plug input connection via NEMA L6-30P or equivalent and

provides multiple output receptacles, including NEMA 5-20R, L6-20R, and L6-30R configurations to support both 120V and 208V loads.

Mounting: The MT-UPS-1P-120.220V-5KVA-120V-R1-N1 is designed for rackmount installations in standard 19-inch equipment racks and includes mounting rails. A rack/tower convertible configuration is supported for flexible deployment.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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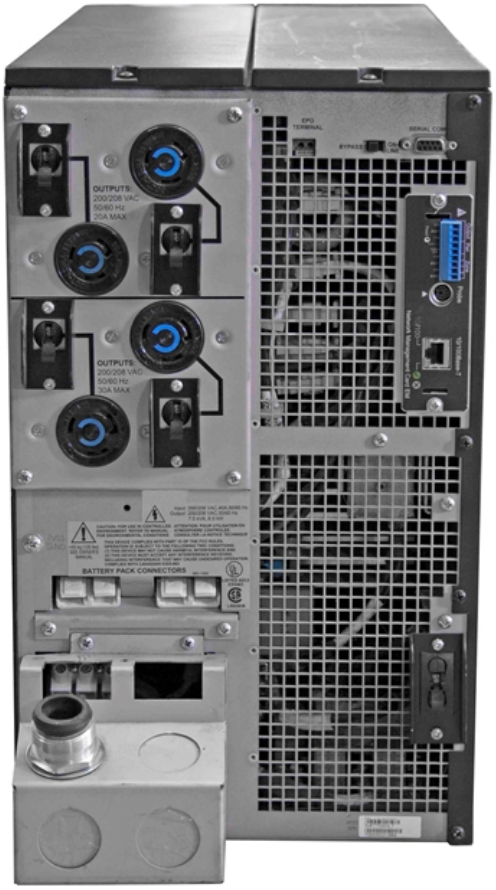
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Frequently Asked Questions (FAQ)

There are no Faqs