

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

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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: $\pm 3\%$

Crest Factor: 3:1, Double Conversion Online

Efficiency: $\geq 94\%$

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 $\pm 3\%$, 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.

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Frequently Asked Questions (FAQ)

There are no Fags



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



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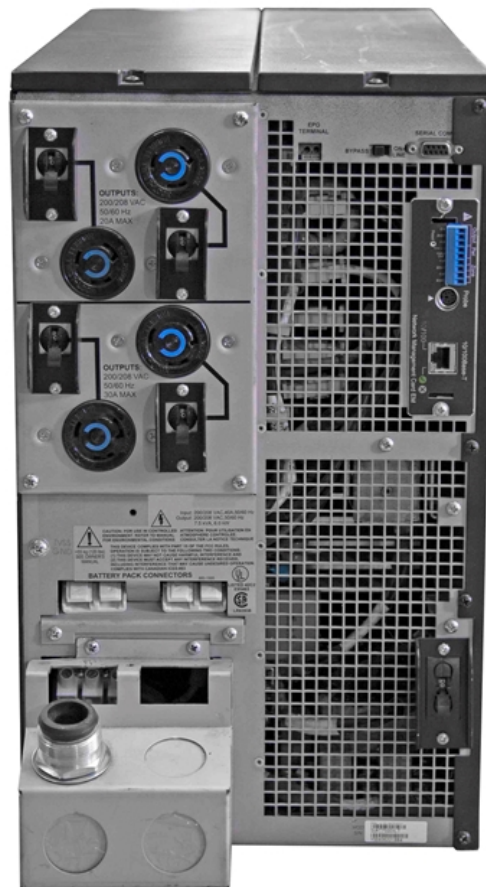


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Export Control Classification Number (ECCN): EAR99

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- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/335302.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/335302.JPG>)
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