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MT-UPS-1P-120V-2.2KVA-120V-R1-N1

2.2 KVA Uninterruptible Power Supply - 120V 60Hz - 1PH - 1.8 KW - Tower Mount - NEMA 1

Product ID: 341419

Image: MT-UPS-1P-120V-2.2KVA-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-120V-2.2KVA-120V-R1-N1 Uninterruptible Power Supply

Unit Type: Double Conversion On-Line Uninterruptible Power Supply (UPS)

Dimensions: (H × W × D): 3.3 × 17.0 × 23.0 inches (85 × 432 × 584 mm)

Weight: 55.1 lbs (25 kg)

Input Voltage: 120V AC, 1PH, 40-70Hz Auto-Sensing

Output Voltage: 120V AC, 1PH, 50/60Hz ±3Hz (Synchronized to Utility)

Output Power Capacity: 2.2 kVA / 1.8 kW (2200 VA / 1800 W)

Max Configurable Power: 2.2 kVA / 1.8 kW

Output Voltage Distortion: Less than 2%

Crest Factor: 3:1

Waveform Type: Pure Sine Wave

Battery Type: Hot-Swappable, User-Replaceable Sealed Lead-Acid Battery

Battery Voltage: 72V DC

Battery Charging Power: 102W

Runtime: Approximately 5 Minutes at Full Load (1800W)

Recharge Time: Approximately 3 Hours

Battery Life: 3-5 Years

Extended Runtime Capability: Yes

Surge Protection: 340 Joules

Ratings/Approvals

ENERGY STAR® V2.0 (USA), REACH, RoHS (By Exemption)

Communications Interface: USB Port, Serial Port, SmartSlot Expansion Bay

Network Management: Compatible with EcoStruxure™ IT and Third-Party Centralized Management Platforms (Network Card Optional)

Display: LCD Status & Configuration Display

Audible Alarm: Audible and Visual Alarms Prioritized by Severity

Emergency Power Off (EPO): Yes

Operating Temp: 0°C to 40°C (32°F to 104°F)

Operating/Storage Relative Humidity: 0-95% non-condensing

Operating Elevation: 0-10,000 ft (0-3,048 m)

Storage Temp: -15°C to 45°C (5°F to 113°F)

Storage Elevation: 0-50,000 ft (0-15,240 m)

IP Rating: IP20
Enclosure Finish: Black
Mount: Tower Mount
Input Connections: NEMA 5-20P
Output Connections: (6) NEMA 5-20R, (1) NEMA L5-20R
Bypass: Internal Automatic and Manual Bypass
Included Accessories: Installation Guide, USB Cable, Removable Support Feet, Warranty Card
All grounding shall comply with state and local codes and meet the minimum requirements of the National Electrical Code section 250

Special Orders - Special Requirements
Contact us for special requirements
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The MT-UPS-1P-120V-2.2KVA-120V-R1-N1 is a 2.2 kVA On-Line Uninterruptible Power Supply (UPS) designed to provide continuous double-conversion power protection for mission-critical electronic equipment in commercial, industrial, telecommunications, healthcare, government, and IT environments. This tower-mounted UPS delivers pure sine wave output and isolates connected equipment from utility power disturbances including voltage fluctuations, surges, sags, electrical noise, and complete power outages.

The MT-UPS-1P-120V-2.2KVA-120V-R1-N1 operates from a 120V AC, single-phase, 40-70Hz auto-sensing power source and delivers 1.8 kW / 2.2 kVA (1800W / 2200VA) of continuous backup power. The UPS utilizes a maintenance-free, hot-swappable, user-replaceable sealed lead-acid battery system that provides uninterrupted power during utility outages while allowing battery replacement without shutting down connected equipment. Typical battery recharge time is approximately 3 hours, and the UPS supports extended runtime through compatible external battery modules. Runtime is approximately 5 minutes at full load (1800W)

Key Features: Double-Conversion On-Line Protection**:** The UPS continuously converts incoming AC power to DC and back to AC, delivering clean, regulated power that completely isolates connected equipment from utility disturbances and provides zero transfer time during power interruptions.

Pure Sine Wave Output: Delivers high-quality sine wave output suitable for servers, network equipment, industrial controllers, telecommunications systems, medical devices, and other sensitive electronic loads.

High Availability: Built-in automatic and manual bypass circuitry maintains power to connected equipment during overload conditions, maintenance, or internal UPS faults, minimizing downtime for critical applications

Control and Monitoring: An integrated LCD display provides real-time operating information including input/output status, battery condition, load level, alarms, and system configuration for simplified operation and maintenance.

Communications: Standard communication interfaces include USB, Serial, and a SmartSlot expansion bay for an optional network management card, enabling remote monitoring, configuration, event notifications, and centralized power management through Schneider Electric EcoStruxure™ IT or compatible third-party management platforms

Input and Output Connections: The UPS utilizes a NEMA 5-20P input plug and provides (6) NEMA 5-20R and (1) NEMA L5-20R battery-backed output receptacles, allowing multiple critical loads to be protected simultaneously.

Power Protection: Double-conversion topology, 340-joule surge protection, and pure sine wave output protect connected equipment from voltage spikes, brownouts, electrical noise, frequency variations, and complete utility power failures.

Operating Conditions: Designed for reliable indoor operation, the UPS operates within an ambient temperature range of 0°C to 40°C (32°F to 104°F) with relative humidity up to 95% non-condensing, and elevations up to 10,000 feet.

Mounting: The MT-UPS-1P-120V-2.2KVA-120V-R1-N1 features a tower-mounted design with removable support feet, making it ideal for installation alongside servers, network cabinets, industrial control systems, and telecommunications equipment where rack mounting is not required.

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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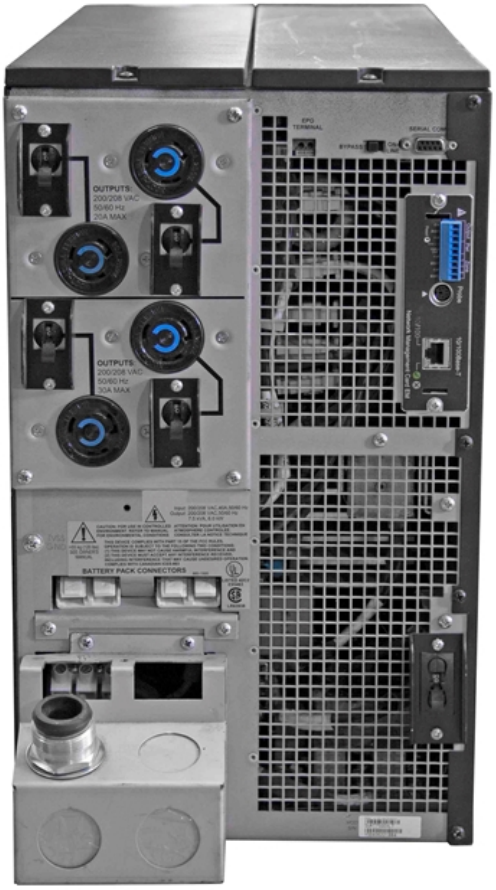

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Frequently Asked Questions (FAQ)

There are no Faqs