

MT-UPS-1P-120V-2.5KVA-120V-R1-N1

2.5 KVA Uninterruptible Power Supply - 120V 60Hz - 1PH - 2 KW - NEMA 1

Product ID: 335232

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



Image: MT-UPS-1P-120V-2.5KVA-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-120V-2.5KVA-120V-R1-N1 Uninterruptible Power Supply

Ratings/Approvals

Unit Type: Uninterruptible Power Supply

Dimensions: 17.05" x 7.48" x 12.52"

Weight: 88 lbs

Input Voltage: 120V AC 1PH, 60Hz

Output Voltage: 120V AC 1PH, 60Hz

Output Power Capacity: 2 KW/2.5 KVA

Max Configurable Power: 2 KW/2.5 KVA

Output Voltage Distortion: Less Than 3%

Crest Factor: 3:1, Double Conversion Online

Waveform Type: Sine Wave

Battery Type: Supports both battery and kinetic energy storage options

Recharge Time: Typically around 2 hours, depending on the battery type and load conditions

Filtering: Full-time Multi-pole Noise Filtering: 0.3% IEEE Surge Let-through: Zero Clamping Response Time

Interface: DB-9 RS-232 , RJ-45 10/100 Base-T, Smart-Slot

Pre-Installed SmartSlotT Cards: AP9619

Control Panel: LED Status Display with Load and Battery Bar-graphs; On Line, On Battery, Replace Battery, Overload and Bypass Indicators



Audible Alarm: Alarm When on Battery, Distinctive Low Battery Alarm and Overload
Continuous Tone Alarm

Emergency Power Off (EPO): Yes

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 Type: NEMA 1

Enclosure Finish: Aluminum Lacquer Paint

Mount: Surface Mount

Input Connections: Hardwire 4-wire (3PH + N)

Output Connections: (1) Hardwire 4-wire (3PH + N) (Battery Backup) ,

Bypass: Internal

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Special Orders - Special Requirements

Contact us for special requirements

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The MT-UPS-1P-120V-2.5KVA-120V-R1-N1 is an advanced Industrial Uninterruptible Power Supply (UPS) suitable for demanding environments like data centers, healthcare facilities, and large industrial plants. This UPS unit operates on a single-phase 120V AC supply and features an adaptable design that accommodates both battery and kinetic energy storage systems.

The MT-UPS-1P-120V-2.5KVA-120V-R1-N1 provides comprehensive battery backup support for essential equipment in industrial and commercial settings. This 2.5kVA UPS system features a single-phase 120V AC 60Hz input and output. The unit is equipped with an output power capacity of 2 kW / 2.5 kVA and supports dynamic ride-through capabilities, allowing it to handle voltage dips of up to -50% without immediate reliance on stored energy.

Key Features: Energy Storage Options: The unit supports both traditional battery storage and kinetic energy storage systems. The battery option uses a maintenance-free sealed lead-acid battery with a suspended electrolyte, designed to be leakproof and reliable. The recharge time for the battery is approximately 2 hours, depending on the load and battery type.

Dynamic Voltage Compensation: This UPS system can manage significant voltage dips without switching to stored energy or generator support, making it highly resilient in fluctuating power conditions.

High Efficiency: The MT-UPS-1P-120V-2.5KVA-120V-R1-N1 operates with an efficiency of up to 98% in online mode, minimizing energy losses and operational costs.

Control and Monitoring: The UPS features a sophisticated control panel with LED status displays and monitoring graphs, enabling real-time monitoring and configuration. The system supports self-diagnostics and predictive maintenance to ensure continuous operation and reduce the need for frequent shutdowns.

Interfaces: Available interface ports include DB-9 RS-232, RJ-45 10/100 Base-T, and a Smart-Slot for additional communication options. These interfaces facilitate easy integration with network management systems and remote monitoring solutions.

Input and Output Wiring: The unit accepts hardwire, 4-wire (3PH + N) input connections. It provides similar output connections: (1) Hardwire, 4-wire (3PH + N) (Battery Backup), allowing seamless integration into existing electrical infrastructure.

Noise Filtering and Alarms: The sine-wave UPS includes full-time multi-pole noise filtering and an audible alarm system to signal real-time operational status, low battery, and overload conditions.

Operating Conditions: The unit is designed for optimal performance in varying environmental conditions with an operating temperature range from 0°C to 40°C and can operate at altitudes up to 10,000 feet. It is housed in a weatherproof outdoor enclosure, making it suitable for both indoor and harsh outdoor environments.

Mounting: The MT-UPS-1P-120V-2.5KVA-120V-R1-N1 Series UPS is compatible with surface mounting applications, providing flexibility in installation across different facilities

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Frequently Asked Questions (FAQ)

There are no Fags



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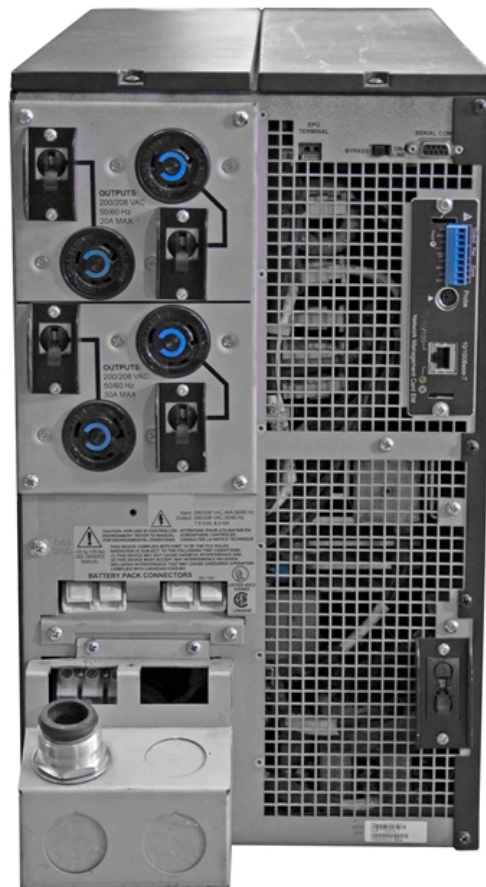


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Export Control Classification Number (ECCN): EAR99

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