Larson Electronics LLC
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MT-UPS-1P-230V-5KVA-230V-R1-N1

5 KVA Uninterruptible Power Supply – 230V AC Input, 230V AC Output, 50/60Hz, Single Phase – 4 kW – VRLA Battery – NEMA 1 – 3U Rack / Tower Mount

Product ID: 331588

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



Image: MT-UPS-1P-230V-5KVA-230V-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-230V-5KVA-230V-R1-N1 Industrial Uninterruptible Power Supply

Unit Type: Uninterruptible Power Supply
Input Voltage: 230V AC (Nominal), Single-Phase
THD: ≤ 5%
Input Frequency Range: 40–70 Hz, auto-sensing
Output Voltage: 230V AC (Nominal), Single-Phase
Output Frequency: 50/60 Hz
Output Power Factor: 0.8
Output Power Capacity: 4 kW / 5 kVA
Overload Capacity: 105–110% for 30 sec, 111–125% for 10 sec, >125% immediate bypass
Efficiency (Double Conversion): around 93%
Efficiency (ECO Mode): Up to 98%
Waveform Type: Sine Wave
Battery Type: Sealed Lead Acid (VRLA), Maintenance-Free
Battery Service Life: 3–5 years (typical)
Recharge Time: 6–8 hours to 90% capacity
Extended Runtime: Supports external battery modules
Interface: USB, RS-232, Emergency Power Off (EPO), Optional Network Management Card

Ratings/Approvals

Two-year Warranty
UL□1778, cUL, FCC Class A, RoHS

Monitoring: Local and remote monitoring via optional SNMP card
Display: Front-panel LCD with system status, load level, battery capacity
Audible Alarm: On Battery, Low Battery, Overload, Fault Conditions
Emergency Power Off (EPO): Yes
Operating Temp: 0–40 °C (32–104 °F)
Storage Temp: -15–45 °C (5–113 °F)
Operating/Storage Relative Humidity: 0-95% non-condensing
Operating Elevation: Up to 10,000 ft (3,000 m)
Audible Noise: < 55 dBA at 1 m
Cooling: Fan-cooled, front-to-rear airflow
Hardware Material: Steel
Enclosure Finish: Black Powder Coat
Mounting: Rack / Tower Convertible, 3U Rack Height
Wiring: Hardwire or IEC outlet configuration
Dimensions: Approx. 17.0″ W × 23.5″ D × 5.2″ H (3U)
Shipping Weight: Approx. 95 lbs
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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Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

The MT-UPS-1P-230V-5KVA-230V-R1-N1 is an Industrial Uninterruptible Power Supply (UPS) for work sites and large facilities. This battery backup unit operates on single-phase 208V AC. A control panel with LED display enables real-time monitoring and setup of the power device.

The MT-UPS-1P-230V-5KVA-230V-R1-N1 provides battery backup support for customer-provided equipment in industrial and commercial applications. This 5 kVA UPS features single-phase 230V AC, 40–70 Hz (auto-sensing) input and delivers single-phase 230V AC, 50/60 Hz output. With an output power capacity of 4 kW / 5 kVA, this system utilizes a maintenance-free sealed lead-acid (VRLA) battery system designed for dependable backup power. Extended runtime capability is supported through optional external battery modules.

This pure sine-wave UPS features true online, double-conversion operation with zero transfer time and full-time noise filtering to protect sensitive electronic loads. Audible alarms provide status indication for on-battery operation, low battery conditions, overloads, and fault events. The front-panel display presents operating status, load level, and battery condition.

Wiring: This unit provides a single battery-backed output socket (connector type dependent on configuration).

Mounting: The MT-UPS-1P-230V-5KVA-230V-R1-N1 is compatible with rack or tower mounting applications and occupies 3U of rack space. The enclosure is rated NEMA 1 for indoor use.

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.

The MT-UPS-1P-230V-5KVA-230V-R1-N1 provides battery backup support for customer-provided equipment in work sites. This 5 KVA UPS features single-phase 208V AC, 40–70 Hz (auto-sensing) input and single-phase 208V AC, 50/60 Hz (±3 Hz, user adjustable ±0.1) output. Equipped with an output power capacity of 4.9 kW / 5 kVA, this unit contains a lithium-ion battery with an expected service life of ~10 years. Extended runtime can be achieved by connecting up to 10 external battery packs.

The sine-wave UPS features full time multi-pole noise filtering and an audible alarm that signals real-time status, low battery and overload condition. There are LED status displays and monitoring graphs on the control panel.

Wiring: This unit accepts input via a NEMA L6-30P plug. Output connections include (2) NEMA L6-20R and (2) NEMA L6-30R receptacles (battery-backed).

Mounting: The MT-UPS-1P-230V-5KVA-230V-R1-N1 is compatible with rack mounting applications and occupies 2U of rack space.

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Frequently Asked Questions (FAQ)

There are no Faqs

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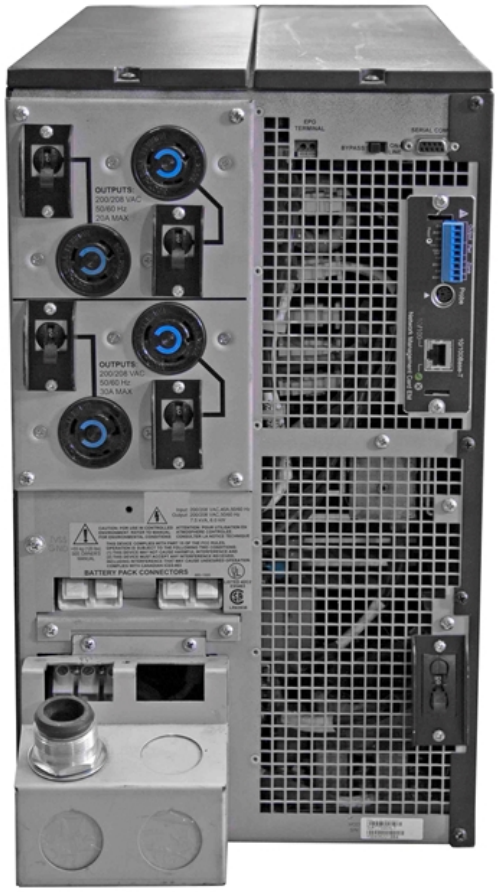


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Export Control Classification Number (ECCN): EAR99

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