

MT-UPS-3P-480V-2KVA-480V-R1-N1

2 KVA Uninterruptible Power Supply - 480V 3PH Input - 480V 3PH Output - 2 Hour Battery Backup - Lead Acid Batteries - Floor Mounted

Product ID: 344268

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



Image: MT-UPS-3P-480V-2KVA-480V-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-3P-480V-2KVA-480V-R1-N1 Industrial Battery Backup

Unit Type: Uninterruptible Power Supply

Dimensions: 8.7" (H) × 6.7" (W) × 17" (D)

Weight: 54 lbs

Input Voltage: 480V AC, 3-Phase, 60Hz

Output Voltage: 480V AC, 3-Phase, 60Hz

Output Power Capacity: 2 kVA

Output Form: Pure Sine Wave

Battery Type: Valve-Regulated Sealed Lead Acid (VRLA)

Run Time: Minimum 2 Hours at Rated Connected Load (1/4 HP, 480V 3-Phase Exhaust Fan)

Recharge Time: 8-10 Hours to 90% Capacity

Communication Port: USB, RS-232, Dry Contacts; Optional SNMP

Control Panel: LCD Display with Input, Output, Load, Battery, and Alarm Status

Alarm: Audible Alarm (On Battery, Low Battery, Overload, Fault)

Surge Energy Rating: 1,030 Joules

Power Device: Online Double Conversion with Automatic Static Bypass

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

Operating/Storage Relative Humidity: 0-95% Non-Condensing

Sound: ≤ 55 dBA

Ratings/Approvals

Surge Protection

UL 1778 Listed

FCC Class A

RoHS Compliant



Materials: Powder-Coated Steel Enclosure

Mount: Floor Mounted

Input Connections: Hardwired Terminal Block

Output Connections: Hardwired Terminal Block

Enclosure: NEMA 1

Color: White

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 Larson Electronics MT-UPS-3P-480V-2KVA-480V-R1-N1 is an industrial-grade Online Double Conversion Uninterruptible Power Supply (UPS) designed to provide continuous backup power for critical three-phase equipment. This battery backup system accepts 480V AC, 3-phase, 60Hz on the input side and delivers regulated 480V AC, 3-phase, 60Hz output with a pure sine wave. The UPS is equipped with a maintenance-free sealed lead acid (VRLA) battery system and is configured with an external battery bank to provide extended runtime for industrial applications

The MT-UPS-3P-480V-2KVA-480V-R1-N1 delivers 2 kVA (2 kW) of continuous output capacity and is specifically sized to provide a minimum of 2 hours of backup power for a 1/4 HP, 480V AC, 3-phase exhaust fan. The true online double-conversion design ensures zero transfer time, continuous voltage regulation, and protection against power disturbances including outages, sags, surges, spikes, and electrical noise. The system features automatic battery charging, an internal static bypass, overload protection, and an LCD interface for monitoring input, output, load, battery status, and alarms

Wiring: This unit is designed for hardwired installation with 480V AC, 3-phase input and 480V AC, 3-phase output via terminal block connections. Communication interfaces include USB, RS-232, dry contacts, with optional SNMP support for remote monitoring and network management.

Mounting: The MT-UPS-3P-480V-2KVA-480V-R1-N1 is supplied in a floor-mounted NEMA 1 steel enclosure suitable for installation in electrical rooms, industrial facilities, manufacturing plants, and commercial applications requiring reliable backup power for three-phase motor loads.

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.



Frequently Asked Questions (FAQ)

There are no Fags



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Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

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- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/344268.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=LCYOu15ez4s>)
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