

MT-UPS-3P-480V-80KVA-480V-R1-N1-M2

80 KVA Uninterruptible Power Supply - Dual 480V AC 3PH Inputs - Dual 480V AC 3PH Outputs - External Battery Banks - 8 Hour Runtime

Product ID: 338745

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



Image: MT-UPS-3P-480V-80KVA-480V-R1-N1-M2

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-80KVA-480V-R1-N1-M2 Uninterruptible Power Supply

Unit Type: Uninterruptible Power Supply

UPS Dimensions: 3'-2 5/8"W × 2'-7 1/2"D × 5'-10 7/8"H (980 × 800 × 1800 mm)

UPS Weight: Approximately 1,750 lbs (794 kg)

Kw Rating: 80 KW

Rated Power: 80 KVA

Input Voltage: 480V AC

Input Type: Dual Independent 480V 3-Phase Sources

Input Frequency: 40-70 Hz

Input Current: 163 A

Load power factor: From 0.8 leading to 0.8 lagging without any derating

Output Voltage: 480V AC

Output Type: Dual Independent 480V 3-Phase Sources

Output Frequency (sync to mains) : 50 Hz sync to mains, 60 Hz sync to mains, 50 Hz +/-

0.1 % for 50 Hz nominal not synced, 60 Hz +/- 0.1 % for 60 Hz nominal not synced

Output Current: 96 A

Output Power Capacity: 80 KVA

Phase: 3 Phase in / 3 Phase out (3L+N+PE)

Crest factor: 3

Output Form: Pure Sinewave

Overload Operation: 10 minutes @ 125% and 60 seconds @ 150%

Ratings/Approvals

Surge Suppression

IEC 62040-1-1

IEC 62040-2

UL 1778 5th edition

FCC Part 15 class A

IEC 60721-4-2 Level 2M2

UL 924 Listed

NEMA 1

Battery Type: External Lead Acid Battery (VRLA) Banks (3 Sets of 40, Total of 120 Batteries, Data Safe P/N: 12HX505-FR)
Battery Dimensions: 2'-9 7/8"W x 2'-5 1/8" x 4'-7 1/8"H
Bypass Type: Built-in Static Bypass
Run Time: 8 Hours @ Full Load (with external battery banks)
Recharge Time: 4 Hours
Switching Time: 0 ms
Remote Management Interface: Ethernet 10/100, RS-232
Remote Management Protocol: SNMP
Interface: (1) RS-232 - 9 pin D-Sub (DB-9), (1) Ethernet - RJ-45, (1) EPO
Expansion Slots: SmartSlot
Surge Response Time: 0 nanosecond
Power Device: Emergency Power Off, Audible Alarm, Built-in Static Bypass, LCD Display, Internal Bypass
Operating Temp: 0 to 40°C
Operating/Storage Relative Humidity: 0-95%
Sound: 65 dBA
Materials: -
Number of Outlets: N/A
Mount: Tower installation
Input Connections: Terminal Block
Output Connections: Terminal Block
Cable: Terminal Block
Color: Black
Overall System Dimensions: 3'-2 5/8"W x 2'-7 1/2"D x 5'-10 7/8"H (UPS Only)
Total System Weight: UPS: 1,750 lbs; Battery banks approximately 86,000 lbs depending on final installation configuration.
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

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The MT-UPS-3P-480V-80KVA-480V-R1-N1-M2 is an Industrial Uninterruptible Power Supply (UPS) for work sites and large facilities. This unit accepts dual independent three-phase 480V AC inputs and provides dual three-phase 480V AC outputs. The system is designed for use with external battery banks, offering up to 8 hours of runtime at full load with no internal batteries required. The UPS is compatible with rack mounting installations.

The MT-UPS-3P-480V-80KVA-480V-R1-N1-M2 facilitates long-duration support for customer-provided equipment in work sites. This UPS features 480V AC on both the input and output sides. Equipped with an 80 KVA capacity, the unit uses external lead acid battery banks that recharge in approximately 2.5 hours. The sine-wave UPS includes emergency power off, an audible alarm, built-in static bypass, LCD display, and internal bypass. The following interface ports are available on the unit: (1) RS-232 - 9 pin D-Sub (DB-9), (1) Ethernet - RJ-45 and (1) EPO. This system is expandable via a SmartSlot.

Wiring: This unit accepts hardwire.

Mounting: The MT-UPS-3P-480V-80KVA-480V-R1-N1-M2 is compatible with tower mounting applications (kit included).

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Frequently Asked Questions (FAQ)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99



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