Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MT-UPS-3P-400.480V-20KVA-400.480V-R1-N1-M1

20 KVA Uninterruptible Power Supply - 400/480V AC 50/60Hz, 3PH - 18 KW - SLA Batteries - 3 Hours Runtime

Product ID: 330667

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

Image: MT-UPS-3P-400.480V-20KVA-400.480V-R1-N1-M1

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-400.480V-20KVA-400.480V-R1-N1-M1 Industrial Battery Backup

Unit Type: Uninterruptible Power Supply - Online Double Conversion

Dimensions: 66" (H) × 20" (W) × 34.1" (D)

Weight: 1160 lbs

Ratings/Approvals

Input:

Rated Power: 20 KVA

Rated Input Voltage: 400/480V AC, 3PH+N+G (4-Wire) (Selectable/Configurable)

Input Voltage Tolerance: ±15% (±10% standard)

Rated Input Frequency: 50/60 Hz auto-sensing

Power Factor: 0.99

Input THD: <5% (with linear load)

Bypass:

Rated Voltage: Matches Input (400/480V AC, 3PH)

Rated Frequency: 50/60 Hz ±5% (selectable from ±2% to ±10%)

Phase: Three Phase

Output:

Rated Power: 20 KVA / 18 KW

Absolute Peak Power: 28.5 kVA (< 1 sec.)

Max. Delivered Peak Power: ≈ 2 x The Rated Power and Inrush Currents

Rated Output Voltage: 400/480V AC, 3PH+N+G (4-Wire) (Selectable/Configurable)

Phase: Three Phase + N

Rated Output Current: (varies by voltage)

Rated Output Frequency: 50/60 Hz selectable

Crest Factor: 3:1, Double Conversion Online

Waveform Type: Sine Wave (Pure Sine, Online Double Conversion)

Static Stability: ± 1%

Dynamic Stability: ±4% for 100% step load in <1 ms

Voltage Distortion With Distorting Load: <3%

Voltage Distortion With Linear Load: <1%

Overload Capacity: 105–125% for 10 minutes, 125–150% for 1 minute, 150% immediate bypass

Power Factor: 0.9

Batteries:

Battery Type: Maintenance-free Sealed Lead Acid (VRLA), Internal

Battery Voltage: 432V DC (36 x 12V blocks)

Typical Recharge Time: 6 Hours to 90%

Backup Time: Up to 3 Hours (180 minutes) depending on load

Hot-Swappable:: Yes

Helicopter Flight Simulator, Motion Platform: Included

Cooling Fans: Included, (4)

Remote Signals: Voltage free contacts

Communications: 2x RS-232, Slot for SNMP/Network Adapter, Slot for Dry Contacts, Remote Emergency Power Off (REPO)

Control Panel: Graphical LCD with LED indicators, Load and Battery Bar Graphs, Online, On Battery, Replace Battery, Overload, and Bypass Indicators

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

Active Efficiency: Up to 93%

Operating Temp: 0°C to 40°C

Storage Temp: -15°C to 45°C

Operating/Storage Relative Humidity: 0-95%

Altitude: Up to 3000 m without derating

Color: Dark grey RAL 7016

Noise Level: <58 dBA @ 1 meter

Protection Class: NEMA 1

Materials: -

Hardware Material: -

Mount: Floor Standing (Surface Mount)

Input Connections: Hardwire – 4-Wire (3PH + N + GND)

Output Connections: (1) Hardwire 4-wire (3PH + N + GND) (Battery Backup) , (2) NEMA L6-20R (Battery Backup), (2) NEMA L6-30R (Battery Backup)

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-400.480V-20KVA-400.480V-R1-N1-M1 is a Commercial Uninterruptible

Power Supply (UPS) for office buildings and large facilities. This battery backup unit operates on three-phase 400/480V AC and features a recharge time of 6 hours to 90%. A control panel with LED display enables real-time monitoring and setup of the power device.

The MT-UPS-3P-400.480V-20KVA-400.480V-R1-N1-M1 provides battery backup support for customer-provided equipment in offices and facilities. This 20 KVA UPS features three-phase multi-voltage input 400V, or 480V AC, 50/60Hz auto-sensing) and multi-voltage output (400V, or 480V AC, 50/60Hz selectable). Equipped with an output power capacity and maximum configuration power of 18 KW/20 KVA, this unit contains a leakproof maintenance-free sealed lead acid battery bank with hot-swappable design. The battery takes approximately 6 hours to recharge and supports up to 3 hours runtime depending on load.

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. The following interface ports are available on the unit: DB-9 RS-232, RJ-45 10/100 Base-T and Smart-Slot.

Wiring: This unit accepts hardwire, 4-wire (3PH + N) input connections. The following output connections are available: (1) Hardwire, 4-wire (3PH + N) (Battery Backup).

Mounting: The MT-UPS-3P-400.480V-20KVA-400.480V-R1-N1-M1 is compatible with surface mounting applications.

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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Frequently Asked Questions (FAQ)

There are no Faqs

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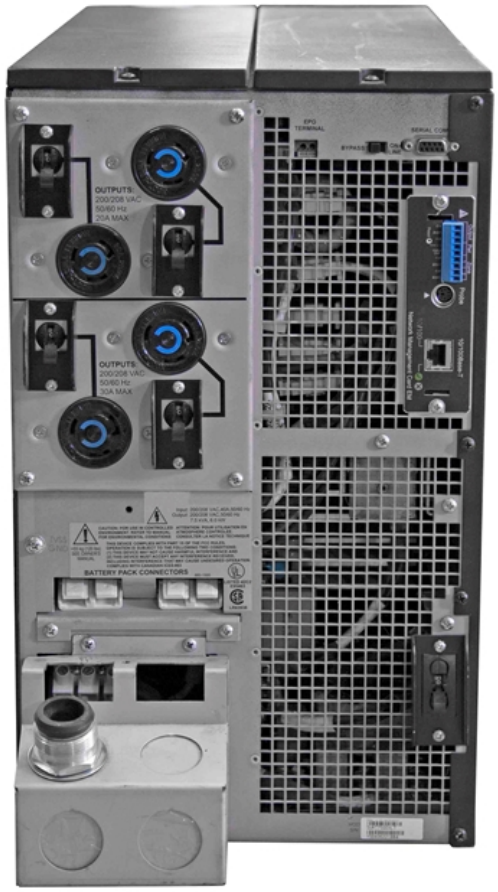

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Export Control Classification Number (ECCN): EAR99

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