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MT-UPS-EL-3P-208.120V-18KW-208.120V-R1-N1

18 KW Emergency Lighting Uninterruptible Power Supply (UPS) – 208/120V AC 3-Phase Input, 208/120V AC 3-Phase Output – Online Double-Conversion – (2) Battery Cabinets Included

Product ID: 331700

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



Image: MT-UPS-EL-3P-208.120V-18KW-208.120V-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-EL-3P-208.120V-18KW-208.120V-R1-N1-M1 Emergency Lighting Uninterruptible Power Supply

Unit Type: Emergency Lighting Uninterruptible Power Supply (UPS), On-line Double Conversion (VFI)

Dimensions: 20.1"W × 37.4"D × 65.1"H

Weight: 760 lbs

Input Voltage: 208/120V AC, 3-Phase

Input Frequency: 50/60 Hz auto-sensing, 40–70 Hz (typical)
Input Power Factor: ≥0.99 at full load (typical)
Output Voltage: 208/120V AC, 3-Phase + Neutral + Ground
Output Frequency: 50/60 Hz, synchronized to input
Output Power Capacity: 18 kW (Emergency Lighting Rated)
Efficiency: Up to 95% (on-line mode, typical)
Output Form: Sinewave
Bypass overload capability: 150% for 15 seconds
Inverter overload capability: 125% for 10 minutes,150% for 60 seconds
Surge Protection: Integrated UPS surge suppression
Battery System:

Ratings/Approvals

Compliance: UL 1778, UL 924 (Emergency Lighting), FCC Part 15
Built-in Static Bypass, Internal Bypass, Emergency Power Off (EPO), Audible Alarm, LCD Display
Bypass Overload Capability: 150% for 15 seconds
Inverter Overload Capability: 125% for 10 minutes, 150% for 60 seconds

• (2) UL 924–Listed External Battery Cabinets (Included)
• Valve-Regulated Lead Acid (VRLA) batteries
• Battery system sized and certified to meet UL 924 emergency lighting runtime requirements
• Automatic recharge following discharge

Emergency Lighting Features:

• UL 924 Listed for Emergency Lighting and Life-Safety Loads
• Automatic transfer upon loss of normal power with no interruption
• Dedicated battery supply sized to meet UL 924 emergency lighting runtime requirements
• Dry contact interface for emergency lighting control and signaling
• Intended for emergency and egress lighting circuits only

Bypass & Protection:

• Built-in static bypass
• Internal maintenance bypass
• Emergency Power Off (EPO)
• Audible and visual alarms

Monitoring & Interfaces: Front-panel LCD display

Runtime: Battery system sized and certified to meet UL 924 emergency lighting runtime requirements

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

Operating/Storage Relative Humidity: 0-95%

Sound: <62 dBA

Materials: Heavy-Duty Steel Enclosure
Mount: Floor Standing Cabinet, Tower Design
Enclosure Rating: NEMA 1 (Indoor)
Input Connections: Hardwired 208/120V AC, Three-Phase
Output Connections: Hardwired 208/120V AC, Three-Phase + Neutral + Ground
Cable: (hardwired system)
Color: Black
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-EL-3P-208.120V-18KW-208.120V-R1-N1 is an Emergency Lighting Uninterruptible Power Supply (UPS) designed to provide reliable life-safety backup power for emergency and egress lighting systems in commercial and industrial facilities. This UL 924–listed UPS accepts three-phase 208/120V AC input and delivers regulated three-phase 208/120V AC output, with an emergency lighting rated capacity of 18 kW. Featuring an on-line double-conversion (VFI) topology, the system provides continuous power conditioning and zero-transfer operation to ensure uninterrupted illumination upon loss of normal power. The UPS includes (2) UL 924–listed external VRLA battery cabinets, with the battery system sized and certified to meet UL 924 emergency lighting runtime requirements. The unit is designed for hardwired connections and floor-standing installation in indoor environments.

The MT-UPS-EL-3P-208.120V-18KW-208.120V-R1-N1 facilitates dependable life-safety power support for emergency lighting loads. This system features on-line double-conversion operation, integrated static bypass, internal maintenance bypass, pure sine-wave output, audible and visual alarms, and a front-panel LCD display for system status monitoring. Emergency lighting control is supported via dry contact interfaces, and an Emergency Power Off (EPO) function is provided for safety compliance. This UPS is intended exclusively for emergency and egress lighting circuits and is not designed for general IT or data center loads.

Wiring: This unit accepts hardwired input and output connections for secure integration into facility power systems.

Mounting: The MT-UPS-EL-3P-208.120V-18KW-208.120V-R1-N1 is compatible with floor-standing, tower-style installation and is housed in a NEMA 1 rated enclosure 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/331700.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/331700.JPG)
- **Video1**(https://www.youtube.com/watch?v=LCYOu15ez4s)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
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