

MT-LCVR-10KVA-208V-3P-N3R

10 KVA Power Conditioner/Electronic Voltage Regulator - 208V 3PH Input/Output Voltage - NEMA 3R

Product ID: 330279



Image: MT-LCVR-10KVA-208V-3P-N3R

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-LCVR-10KVA-208V-3P-N3R 10 KVA Power Conditioner

Unit Type: Power Conditioner/Voltage Regulator

Dimensions: 43" x 28" x 26"

Weight: 750 lbs

Size: 10 KVA

Input/Output Voltage: 208V AC 3PH, 60 Hz

Input Voltage Range: +10% to -25%

Output Voltage Regulation: +/- 3%

Overload/Inrush Capacity: 1000% - 1s, 500% - 5s, 200% - 1s, 1000% - Fault Clearing

Noise Attenuation: 150 dB @ 100 kHz (Common Mode), 65 dB @ 100 kHz (Normal Mode)

Efficiency: 97%

Operating Temp: -10°C to 40°C

Materials: Carbon Steel, Copper Wound

Form Factor: Cube Enclosure w/ I-beam Legs

Color: Natural Gray

Ratings/Approvals

Indoor/Outdoor Use (NEMA 3R)

Solid-state Performance

No-fan Design

Microprocessor-based Controls

97% Efficiency

Backlit LCD Display

Remote Alarm Contacts

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 Larson Electronics MT-LCVR-10KVA-208V-3P-N3R Power Conditioner/Electronic Voltage Regulator is ideal for protecting machines from sudden voltage fluctuations and low quality electrical currents. This 10 KVA unit supports three phase 208V AC input/output voltage with a +10%/-25% input voltage range and +/-3% output range. The NEMA 3R-rated voltage regulator is constructed of carbon steel and features a solid-state, no-fan design.

****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER
DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS****

The MT-LCVR-10KVA-208V-3P-N3R offers robust protection for sensitive machines and electronic devices in industrial buildings. This 10 KVA unit supports 208V AC input/output voltage three phase (60 Hz). Input voltage may range between +10% and -25%, while output voltage regulation ranges +/- 3%. The voltage regulator does not have a minimum load, harmonic distortion, load current interruption and power factor limitations. Surge suppression and input circuit breaker are included with the unit. This electronic voltage regulator is 97% efficient.

The MT-LCVR-10KVA-208V-3P-N3R features a solid-state and no-fan design for quiet and efficient operation. All controls are microprocessor based for consistent performance. This unit comes with a backlit LCD display for seamless monitoring. Constructed of carbon steel, the voltage regulator is housed in a NEMA 3R enclosure, making it suitable for indoor/outdoor environments. This level of protection allows the unit to withstand the ingress of solid objects, such as falling dirt.

Applications: Industrial facilities, indoor/outdoor operations, large machines, processing plants, labs, commercial equipment, military, warehouses, digital processing systems, electrical current protection, EMI reduction and more.

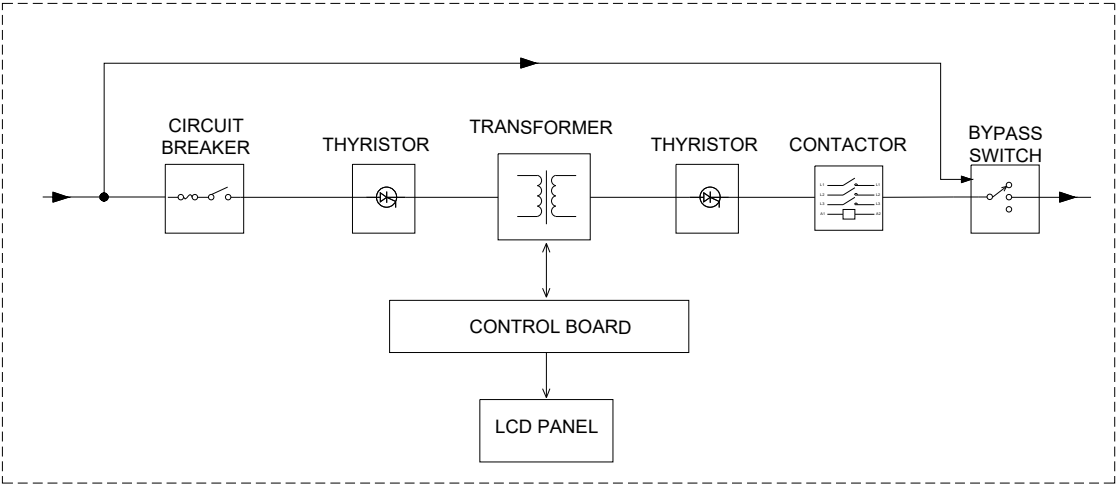
At Larson Electronics, we do more than meet your lighting and power distribution needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting or power distribution system and/or accessories to fit the unique 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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A	PRODUCT DESCRIPTION							12/25/2025
MT-LCVR-10KVA-208V-3P-N1								
								
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MT-LCVR-10KVA-208V-3P-N1



BLOCK DIAGRAM

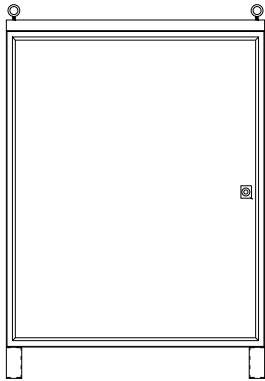


Specification	Value
Model	MT-LCVR-10KVA-208V-3P-N1
Capacity (kVA)	10 kVA
Input Voltage (Nominal)	208 V AC, 3-phase
Input Voltage Range	+10% to -25% of nominal
Output Voltage	208 V AC, 3-phase
Output Regulation	±3%
Frequency	60 Hz
Phase / Wiring	3P, 4-wire (L1-L2-L3-N)
Enclosure Type	NEMA 1 (Indoor)
Efficiency	~97% typical
Full-load Current	~27.8 A @ 208 V, 3φ
Overload/Inrush Capability	1000% (1 s), 500% (5 s), 200% (1 min); 1000% fault clearing
Noise Attenuation	Common mode 150 dB @100 kHz; Normal mode 65 dB @100 kHz
Dimensions (HxWxD)	~43 in x 28 in x 26 in (typical for 10 kVA)
Operating Temperature	0°C to 40°C
Material	Carbon steel enclosure; copper-wound transformer
Form Factor	Cube enclosure with I-beam legs
Color	Natural gray

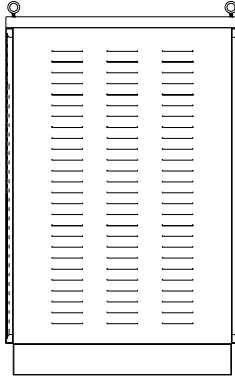
FRONT VIEW



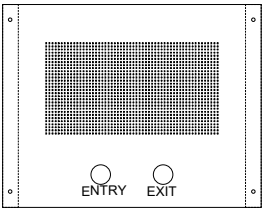
REAR VIEW



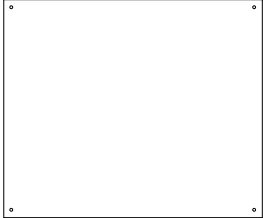
SIDE VIEW

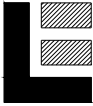


BOTTOM VIEW



TOP VIEW



 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE OUTLINE DRAWINGS		
	DRAWN BY ADEEL	DATE 12-25-2025	REV A
	CHECKED BY	SHEET # 1 OF 1	DRAWING # 101



Frequently Asked Questions (FAQ)

There are no Faqs