

MT-PCR-3P-480Y-50KVA-480Y-60HZ-M1

50 KVA Solid-State Voltage Regulator - Power Conditioner - 480Y/277 3PH Wye - Isolates EMI

Product ID: 295946

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



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-PCR-3P-480Y-50KVA-480Y-60HZ-M1 Voltage Regulator and Power Conditioner

Unit Type: Solid-State Voltage Regulator and Power Conditioner

Dimensions: 35.43" x 29.52" x 47.24"

Weight: 1,059 lbs

Input Voltage: 480Y/277 V Wye +/- 10% (188-228V Input Range)

Input Frequency: 50/60 Hz +/- 510

Capacity: 50 KVA - 100% Load - 30 Mins

Output Voltage: 480Y/277 V Wye +/- 1%

Output Frequency: 60 Hz +/- 1%

Rectification: IGBT

Efficiency Ratio: Up to 95%

Load Stabilization Rate: < +/- 1%

Frequency Stability: < +/- 0.01%

Harmonic Distortion: Pure Sine Wave < 2%

4-digit Meters: Digital Frequency Meter - Resolution 0.1Hz/Step; Digital Voltage Meter- Resolution 0.1V; Digital Ammeter- Resolution 0.1A; Digital Watt Meter- Resolution 0.1W

Protection: Overload, Short Circuit, Over Temp, Instant Power Failure Protection, Alarm

Operating Temp: 0-40°

Humidity: 0-90% (Non-condensation)

Mounting: Mobile Cart w/ Wheels

Color: Tan

Features/Ratings

NRTL Listed to UL 508A

Advance Microprocessor Control

True Online Double Conversion

Smart Fan Control

Low Input THDi < 3%

Isolates EMI

Special Orders - Special Requirements

Contact us for special requirements

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The MT-PCR-3P-480Y-50KVA-480Y-60HZ-M1 from Larson Electronics is a Solid-State Voltage Regulator and Power Conditioner that is designed for voltage and frequency regulation in industrial locations. The 50 KVA

power conditioner comes with an input voltage/frequency range of $\pm 10\%$ of three-phase 480Y/277 V Wye, 50/60 Hz and an output voltage/frequency range within $\pm 1\%$ of three-phase 480Y/277 V Wye, 60 Hz. This unit isolated EMI and is mobile via four wheels at the bottom of the enclosure.

The MT-PCR-3P-480Y-50KVA-480Y-60HZ-M1 can be used to accurately regulate voltages and frequencies in industrial sites. This 50 KVA unit works for $\pm 10\%$ of 480Y/277 V Wye, 50/60 Hz and will regulate the output voltage to within $\pm 1\%$ of 480Y/277 V Wye, 60 Hz. During operation, rectification is completed via IGBT. The voltage regulator and power conditioner isolated EMI and provides robust microprocessor control, true online double conversion and active input power factor correction.

This solid-state voltage regulator and power conditioner is equipped with several protective features, including overload, short circuit, over temp, instant power failure connection, and alarm. For efficient operation, the unit features smart fan control and ultra high efficiency (98% in Smart Eco Mode). Operators are provided access to a panel, which houses various controls for meters. Available meter components include digital frequency meter, digital voltage meter, digital ammeter, and digital watt meter.

Mounting: The MT-PCR-3P-480Y-50KVA-480Y-60HZ-M1 is secured inside a mobile enclosure with wheels for seamless mobility around the work site.

Applications: Industrial facilities, laboratories, air compressor testing, power supply testing, motor equipment testing, quality assurance, lighting systems, and more.

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)









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Product ID: 295946

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

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