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-IVT-120VAC-1.5KW-12VAC-R1

1.5 kW AC to AC Inverter – 120 VAC 1PH to 120 VAC – NEMA 1

Product ID: 327285

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



Image: MT-IVT-120VAC-1.5KW-12VAC-R1

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-IVT-120VAC-1.5KW-120VAC-R1 - AC to AC Power Converter

Unit Type: AC to AC Inverter
Dimensions: 40" H × 20" W × 14.5" D
Weight: 148 lb
Input Voltage: 120 VAC, 1-Phase, 60 Hz
Output Voltage: 120 VAC, Pure Sine Wave
Output Frequency: 60 Hz ± 1%
Rated Power: 1500W continuous
Peak Power: 1.5kW - Short-term Only
Waveform: True Sine Wave
Efficiency: >90%
Output Protection: Short Circuit, Overload, Over-Voltage, Over-Temperature
Operating Temp: 68°F to 86°F (20°C to 30°C)
Materials: 14-Gauge Steel Housing
Mount: Surface or Wall
Color: White Semi-Gloss Powder-Coated

Ratings/Features

NEMA 1
Forced Cooling
Advanced Diagnostics Indicator LEDs

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-IVT-120VAC-1.5KW-12VAC-R1 from Larson Electronics is an AC to AC Power

Inverter that converts 120V AC input to a conditioned 120V AC pure sine wave output for industrial and commercial sites. This inverter is rated at 1.5 kilowatts continuous and delivers clean, regulated output power for lighting systems, control panels, and sensitive electronic equipment. The NEMA 1 indoor unit provides robust protection features including short circuit, overload, over-voltage, and over-temperature safeguards.

The MT-IVT-120VAC-1.5KW-12VAC-R1 offers a safe and effective way for operators to stabilize and condition 120V AC power. Rated at 1500W continuous, this true sine wave inverter accepts standard 120V AC input and provides 120V AC output at 60 Hz ± 1%. The system ensures clean and reliable AC power for connected loads, with short-term peak operation up to 1.5kW for brief inrush events. The inverter is equipped with microcontroller-based regulation, diagnostic LED indicators, and forced-air cooling for dependable thermal management.

This AC to AC inverter supports an operating temperature range of 68°F to 86°F. The unit features a high-efficiency conversion platform and a durable steel enclosure finished in a white semi-gloss coating. Advanced internal protections safeguard the inverter and connected devices from electrical faults and temperature-related conditions.

Wiring/Connections: All AC wiring connections are made inside the unit. Input and output terminals are accessible through internal connection points.

Mounting: The MT-IVT-120VAC-1.5KW-12VAC-R1 supports surface or wall mounting applications via integrated mounting holes on the enclosure.

Applications: AC power conditioning, voltage stabilization, industrial equipment operation, LED/fluorescent/incandescent lighting loads, control panels, automation systems, commercial buildings, industrial facilities, and general AC-to-AC conversion tasks.

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.

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

Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/327285.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)