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## MT-IVT-12VDC-150VA-120.277VAC-1PH

# 150 VA DC to AC Inverter - 12V DC to 120-277V AC 1PH - NEMA 1

**Product ID: 346260**

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



Image: MT-IVT-12VDC-150VA-120.277VAC-1PH

**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-12VDC-150VA-120.277VAC-1PH DC to AC Inverter**

**Unit Type:** DC to AC Inverter
**Dimensions:** -
**Weight:** -
**Input Voltage:** 12V DC ± 15%
**Input Protection:** Inrush current limiting, Varistor, Reverse polarity protection, Internal safety fuse, Lower voltage than the specified minimum input will not damage the unit
**Rated Power:** 150 VA (0.15 kVA)
**Output Voltage:** 120-277V AC
**Output Phase:** 1-phase
**Output Frequency:** 50/60 Hz
**Output Waveform:** True Sine Wave
**Total Harmonic Distortion:** Less than 5% at full load
**Line/Load Regulation:** ±2% from no load to full load
**Load Crest Factor:** 3 at 90% load
**Output Noise:** High frequency ripple is better than 500mVrms (20MHz BW)
**Output Overload Protection:** Current limiting with short circuit protection
**Output Overvoltage Protection:** Output voltage is limited by internal supply voltage
**Connections:** 12-pole barrier type terminal block with 3/8” spacing
**Efficiency:** Input voltage dependent Typically 80% at full load
**Humidity:** 5 - 95% non-condensing
**Environmental Protection:** Basic ruggedizing, Conformal coating

**Ratings/Features**

Natural Forced Cooling
NEMA 1 Rated
Complies with C22.2 No. 107.1 - 01
Complies with UL 458

RoHS Compliant

Two years warranty
Sinusoidal output voltage
Rugged, field-proven design
Filtered input and output
Conduction/convection cooling
Full electronic protection

**Special Orders - Special Requirements**

**Operating Temp:** 0°C to +50°C
**Materials:** -
**Mount:** Surface or Wall
**AC Output Connection:** Internal
**Color:** -

Contact us for special requirements
**Toll Free:** 1-800-369-6671
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**The Larson Electronics MT-IVT-12VDC-150VA-120.277VAC-1PH DC to AC Inverter converts DC input to AC output in industrial sites. This power converter is rated at 150 VA continuous and offers 12V DC input and 120-277V AC output @ 50/60 Hz. The device offers the following protective features: short circuit, overload, over temperature, high battery and low battery.**

The MT-IVT-12VDC-150VA-120.277VAC-1PH provides a safe and effective way for users to tap into and utilize 12V DC power sources and step up this current to 120-277V AC. Rated at 150 VA (continuous), this true sine wave unit can be operated with low voltage 12V DC input current and 120-277V AC output current. Output frequency is 50/60Hz, adjustable. The 0.15 KVA power converter provides short circuit, overload, over temperature, high battery and low battery protection.

Cooling is facilitated by natural and forced mechanisms.

**Wiring/Connections:** AC connections can be completed inside the unit.

**Mounting:** The MT-IVT-12VDC-150VA-120.277VAC-1PH caters to surface and wall mounting applications via openings on the back of the transformer.

**Applications:** Voltage rectification, power conversion, DC to AC transformer, DC to AC conversion, solar-powered systems, power supply, engine rooms 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.

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# Frequently Asked Questions (FAQ)

There are no Faqs

**Export Control Classification Number (ECCN):** EAR99

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