Larson Electronics LLC
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MT-IVT-48VDC-2000VA-120VAC-R1

2000W Step Up Transformer - 48V DC to 120V AC - 50/60Hz - Hard Wire AC Output - Surface Mount

Product ID: 222498

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.

1MT-IVT-48VDC-2000VA-120VAC-R1 - DC to AC Step-up Transformer

1**#000000Unit Type:** Step Up Transformer
1**#000000Dimensions:** 10.04" x 6.22" x 18.19"
1**#000000Weight:** 22 lbs
1**#000000Line In Voltage:** 48V DC (42V DC - 66V DC)
1**Line Out Voltage:**1 120V AC (+/- 5% - 100V AC, 110V AC, 115V AC, 120V AC)
1**Rated Power:** 12000W
1**Output Frequency:** 50/60 Hz (+/- 5%)
1**Waveform:**1 Pure Sine Wave
1**Efficiency:**1 90%
1**No Load Power Consumption @ Save Mode:**1 < 0.1A @ 48V DC
1**No Load Power Consumption @ No Load Mode:**1 1< 1.0A @ 48V DC
1**Full Load Efficiency:**1 91%
1**Input Under Voltage Protection:**1 42V ± 1.0V DC
1**Input Under Voltage Alarm:**1 44V DC ± 1.0V DC
1**Input Under Voltage Recovery:**1 50V DC ± 1.0V DC
1**Input Over Voltage Protection:**1 66V DC ± 1.0V DC
1**Input Over Voltage Recover:**1 58V DC ± 1.0V DC
1**Output Overload/Short:** 1Shutdown Output Voltage, Restart to Recovery

1Ratings/Features

1Certified FCC Class A
1DIP Switch Selectable Output Voltage/Frequency
1Adjustable Power Saving Mode
1Advanced Microprocessor
1Fully Isolated Input/Output

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1**DC Input Reverse Polarity:** 1Fuse
1**LED Indicators:** 1(3) Input Voltage Level, Output Load Level, Faulty Status
1**Cooling:** 1Temperature/Load Controlled Cooling Fan
1**Input Protection:** 1Reverse Polarity (Fuse), Under Voltage, Over Voltage
1**Output Protection:** 1Short Circuit, Overload, Over Temperature
1**Surge Protection:** 14000W for 1 Minute

1**Operating Temp:** 1-20°C to +40°C

1**Storage Temp:** 1-30°C to +70°C

1**Storage Temp Humidity:** 110 to 95% RH

14 1**Materials:** 1-

14 1**Mount:** 1Surface

14 1**DC Input:**1 +/- Terminals (#4 AWG)

14 1**AC Output:**1 Hard Wire

14 1**Color:**1 Blue, Black

1**Special Orders - Special Requirements**

1Contact us for special requirements

1Toll Free:1 1-800-369-6671

1Intl:1 1-903-270-1187

1Fax:1 1-903-498-3364

1**E-mail:**1 sales@larsonelectronics.com

Frequently Asked Questions (FAQ)

MT-IVT-48VDC-2000VA-120VAC-R1

Product ID: 222498

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**