CSI150-FT SERIES
DC / AC Sine Wave Inverters: 150 VA

General Specifications
- Input Voltage: 24VDC, 36VDC, 48VDC, 125VDC
  - Other input voltage options on request
- Input Range: ±15% of input, other options on request
- Input Protection: Inrush current limiting, Internal safety fuse, Reverse Polarity Protection
- Isolation: For input > 60vdc: Input – Output: 2250vdc
  - Other options on request
- EMI: EN55011 Class A conducted
- Immunity: EN 61000-4
- Output voltage: Sinusoidal
- Output Waveform: Sinusoidal
- Harmonic Distortion: Less than 5% at 100% load.
- Output Freq.: 50Hz, 60Hz, 400Hz options
- Load Crest Factor: Maximum 3% at 90% load
- Output Power: 150VA
- Regulation: Load: ±2% from 10% to 100% load step.
  - Line: ±1.0% over input range
- Output Noise: High Frequency ripple is better than 500mVrms (20MHz BW)
- Protection: Current limiting with short circuit protection
  - Self re-setting thermostat for thermal protection
- Output Over Voltage Protection: Output voltage is limited by internal supply voltage
- Efficiency: Input voltage / model dependent typically 80% at 100% load
- Operating Temp: 0°C to +50°C at rated load.
  - Other options on request
- Cooling: Convection / Conduction cooled
- Shock & Vibration: Designed to meet IEC61373 Cat 1 A & B
- Humidity: 5-95% non-condensing
- MTBF: >130,000 hrs at 45°C
- LED Indicator: Optional
- Connector: Terminal block, other options on request
- Dimensions: 114 x 56 x 256mm (F2)
- Weight: 1.2kg

Features
- Sinusoidal output waveform
- 150VA output power
- Convection cooled – No Fans
- Frequency options 50Hz / 60Hz / 400Hz
- Wide range of input options: 24 ~ 125VDC
- Optional output fail alarm on some models
- Low profile 57mm
- Rugged design for harsh environments
- Full electronic protection
- Non standard input voltage options
- RSI Series (Rail Spec) - Option

Description
The CSI150 is rugged DC/AC inverter uses field proven, microprocessor controlled high frequency PWM technology to generate 150VA output power with pure sign wave output voltage. It is a mature design with a track record in numerous applications. The DC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. The use of high frequency conversion enables a compact construction, low weight and high efficiency. The unit has full electronic protection. The input and output are filtered for low noise. Cooling is via baseplate to a heatsinking surface and by natural convection.

Options (may not be available on all combinations)
- Alarms: Output Fail Alarm: voltage free relay contacts
- Remote Inhibit: Remote ON / OFF
- Ruggedized: Conformal coating and Ruggedization for use in harsh environments.
- Slow Start: Slow start up option for powering fans
- Connector: A variety of terminals / connectors available to suit special customer requirements
- Rack Mount: 2U x 19in Rack Mount

Model No Example:
CSI150-4E-FT (48VDC / 230VAC 50Hz)

CSI  Power  Input Vdc  Output  FT
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150    128   2 = 24V  A = 115V/60Hz
3      36V   E = 230V/50Hz
4      48V   M = 115V/400Hz
7      72V   108 = 108V
9      96V   125V

1. Standard input / Output combinations are illustrated.
2. Non standard combinations are available on request
3. Final Part no will be allocated at time of order to reflect customer specifications and options.
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DIMENSIONS ARE IN INCHES (mm). TOLERANCES ON DECIMALS: XXX ± 0.008″
XX ± 0.012″
ANGLES: ± 2°
FRACTIONS: ± 1/64″
UNLESS OTHERWISE STATED

OUTLINE DRAWING
F2 PACKAGE

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