CSI100 SERIES
DC/AC Inverter 24VAC: 100 Watts

Features
- Filtered 24VAC 50Hz output
- DC Input voltage options: 12V, 24V & 48V
- Convection cooled: No fans
- Suitable for CCTV applications requiring clean 24VAC
- Fully isolated input – output 1000VDC
- Over voltage protection
- Overload and short circuit protection
- MTBF > 150,000hrs
- Special input / output combinations on request.

General Specifications

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>12VDC (11 – 16)</th>
<th>24VDC (21 – 30)</th>
<th>48VDC (38 – 60)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other voltages on request</td>
<td>Reverse polarity protection. Inrush current limiting Input Fuse</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Input Protection
- Reverse polarity protection.
- Inrush current limiting

Isolation
- Input – Output: 1000vdc
- Input – Chassis: 700vdc
- Output – Chassis: 500vdc

Efficiency
- Model dependent, typically 80-90%

Output voltage
- 24VAC 50Hz

Wave Form
- Sinusoidal

Output Power
- 100 watts

Harmonic Distortion
- <50% at full load

Voltage Adjust.
- N/A

EMI
- EN5022 Class A Conducted & Radiated

Regulation
- ±5% Line / Load combined

Ripple & Noise
- Typically 500mV (20MHZ BW)

Overload Protection
- Current limiting, with hiccup type short-circuit protection

Overvoltage Protection
- Double regulator loop & Tranzorb across output

Operating Temp.
- 0ºC to +50ºC, +70ºC at 50 watts

Cooling
- Conduction cooling / Convection cooling

Environmental Protection
- Ruggedizing and Conformal coating of PCB.

Shock & Vibration
- IEC61373 Cat 1A & B and Cat 2

Humidity
- 5-95% non-condensing, higher ration option

MTBF
- >150,000 hrs

Indicators
- N/A

Connector
- 9-pole barrier terminal block

Alarm
- N/A optional

Dimensions
- 254 x 112 x 58mm (F2 package)

Weight
- 1.2kg

Description
The CSI 100 series DC/AC Power Inverter, is designed to provide a regulated and filtered 24VAC for applications such as powering CCTV cameras & security systems. Rugged, high reliability low voltage inverter.

The most common model is a 24VDC / 24VAC, but other combinations are available on request with power levels.

<table>
<thead>
<tr>
<th>Model</th>
<th>Input VDC</th>
<th>Output V</th>
<th>A</th>
<th>Power W</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI100-1224FT</td>
<td>12V</td>
<td>24VAC</td>
<td>4A</td>
<td>100W</td>
</tr>
<tr>
<td>CSI100-2424FT</td>
<td>24V</td>
<td>24VAC</td>
<td>4A</td>
<td>100W</td>
</tr>
<tr>
<td>CSI100-4824FT</td>
<td>48V</td>
<td>24VAC</td>
<td>4A</td>
<td>100W</td>
</tr>
</tbody>
</table>

Final part numbers will be factory allocated to reflect customer input & output requirements.