

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

Input Voltage	12VDC (11 ~ 16) 24VDC (21 ~ 30) 48VDC (38 ~ 60)
	• Other voltages on request
Input Protection	Reverse polarity protection. Inrush current limiting Input Fuse
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.	°0C to +50°C, +70°C at 50 watts
Cooling	Conduction cooling / Convection cooling
Environmental Protection	Ruggedizing and Conformal coating of PCB.
Shock & Vibration	IEC61373 Cat 1 A & 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 **CSI100** 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.

Model	Input VDC	Output V	Output A	Power W
CSI100-1224F2	12V	24VAC	4A	100W
CSI100-2424F2	24V	24VAC	4A	100W
CSI100-4824F2	48V	24VAC	4A	100W

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

