

CSI500-FXW SERIES

DC / AC Sine Wave Inverters: 500 VA



General Specifications

Input Voltage	24VDC, 36VDC, 48VDC or 125VDC • Other input voltage options on request
Input Voltage Range	±15% standard. Other wider inputs on request.
Input Protection	Inrush current limiting Internal safety fuse, Reverse Polarity Protection
Isolation	1700vdc input – chassis 1700vdc input - output
EMI	EN55022 Class A conducted
Immunity	EN 61000-4
Output voltage	230VAC Output neutral is connected to chassis. Link / Jumper can be removed if floating output is required
Output Waveform	Sinusoidal
Harmonic Distortion	Less than 5% at 100% load.
Output Freq.	50Hz, 60Hz, 400Hz options
Load Crest Factor	2 at 90% load
Output Power	500VA
Regulation	Line /Load: ±3% from 10% to 100% load step.
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	By internal fans
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
Control Input	Remote shutdown - option
Connector	12 pole terminal block, other options on request
Dimensions	358 x 185 x 67mm (FXW)
Weight	3.2kg

Features

- Various input options 24 ~125VDC
- Sinusoidal output waveform
- 500VA output power
- Industrial design
- Frequency options 50Hz / 60Hz / 400Hz
- Optional output fail alarm on some models
- Low profile 67mm
- Rugged design for harsh environments
- Full electronic protection
- **RSI** series (Rail Spec) -option

Description

The **CSI500FXW** is rugged DC/AC inverter uses field proven, microprocessor controlled high frequency PWM technology to generate 500VA output power with pure sine 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.

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:

CSI500-5E-FXW (125VDC / 230VAC 50Hz)

CSI	Power	Input Vdc	Output	FXW
CSI	500	2 = 24V	A = 115V/60Hz	Std Package
		3 = 36V		
		4 = 48V	E = 230V/50Hz	
		9 = 96V	M =	
		108 = 108V	115V/400Hz	
		5 = 125V		

1. Non standard combinations are available on request
2. Final Part no will be allocated at time of order to reflect customer specifications and options.