

CSI - FT SERIES

DC/AC Sine Wave Inverters: 100 - 1000 VA



Features

- Sinusoidal output waveform
 - Frequency options 50Hz / 60Hz / 400Hz
 - Wide range of input options: 24 - 270VDC
 - Six power levels: 100 - 1000 VA
 - Optional output fail alarm
 - Low profile 67mm
 - Convection cooled - no fans (100 - 500W models)
 - Rugged design for harsh environments
 - Full electric protection
 - Non standard input voltage options
- For 250vdc input, only avail at > 500W

General Specifications

Input Voltage:	24VDC, 36VDC, 48VDC, 120VDC, 270VDC • Other input options on request.
Input Range:	±15 of input, other options on request
Output Voltage:	115VAC/230VAC options
Output Frequency:	50Hz, 60Hz, 400Hz options
Output Power:	100 - 1000watts
Isolation:	For input >60VDC: Input - Output 2250VDC For input <60VDC: Input - Output 1500VDC
EMI:	EN55011 Class A conducted
Immunity:	EN61000-4
Regulation:	Load: ±2% from 10% to 100% load step Line: ±0.5% over input range
Protection:	Current limiting with short circuit protection. Self re-setting thermostat for thermal protection
Operating Temp:	0°C to +50°C at rated load. Other options on request...up to +70°C
Cooling:	Convection cooled 100 - 500 watts Fan cooled 1000 watts
Alarms:	Output fail alarm - option (Voltage Free Contacts). Remote inhibit option
Dimensions/Weight:	CSI100: 196 x 113 x 52mm 1Kg CSI150: 264 x 113 x 58mm 1Kg CSI200: 290 x 132 x 62mm 1.5Kg CSI300: 351 x 153 x 67mm 2Kg CSI500: 351 x 254 x 67mm 4Kg CSI1000: 356 x 483 x 67mm 8Kg.

Description

The **CSI-FT** series DC/AC Sine Wave Inverters are designed for a wide range of industrial applications, including Power Stations, Avionics and Telecommunications. They provide sinusoidal output waveform and input voltage options from 24 - 270VDC. Their low profile and rugged design are key features of the product. Output voltage and frequency are as per table below, but we are also able to design for other outputs.

Options

Slow Start-up:	For powering fans.
Alarms:	Output Fail Alarm: voltage free relay contacts
Remote Inhibit:	Remote ON/OFF (300 - 1000 VA)
Ruggedised:	Conformal coating and ruggedisation for use in harsh environments
Connector:	A variety of terminals/connectors available to suit customers special requirements
19in. Rack Mount:	19" Rack Mount solutions

Model Example

CSI300 - 4E - FT
Input: 48VDC Output: 230VAC 50Hz 300W

- For 250vdc input, only avail at > 500W

CSI	Power	Input	Output	FT
Series	100 = 100W	24V = 2		Package Low Profile
	150 = 150W	36V = 3		
	200 = 200W	48V = 4	A = 115V / 60Hz	
	300 = 300W	72V = 7	E = 230V / 50Hz	
	500 = 500W	96V = 9	M = 115V / 400Hz	
	1000 = 1KW	108V = 108		
	125V = 5			
	250V = 6			