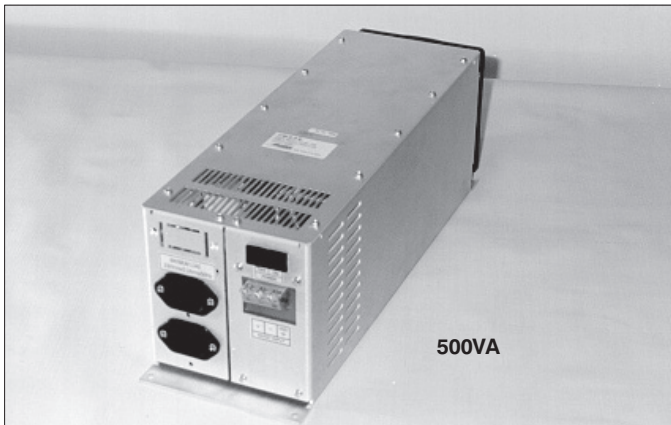


FC SERIES

1-Phase - 1 Phase Frequency Converters: 500 - 5000 VA



Features

- Single phase input - output
- 50, 60 and 400Hz options
- 500 - 5000VA power level options
- Rack mount or wall mount mechanical styles
- Sinusoidal wave shape
- Electronic protection
- Neutral is grounded - floating optional

General Specifications

Input Voltage:	115VAC \pm 15% or 230VAC \pm 15%
Input Frequency:	50Hz, 60Hz, 400Hz options
Output Voltage:	115VAC/230VAC options
Output Frequency:	50Hz, 60Hz, 400Hz options
Output Power:	500 - 5000 VA
Output Waveform:	Sinusoidal
Frequency Stability:	\pm 0.1%
Distortion:	Output Harmonic Distortion <5%
EMI:	EN55011 Class A conducted
Immunity:	EN61000-4
Regulation:	Load: \pm 6% from 10% to 100% load step Line: \pm 0.5% over input range
Protection:	Current limiting with short circuit protection. Self re-setting thermostat for thermal protection
Load Crest Factor:	Maximum 3.0 at 90% load
Operating Temp:	0°C to +50°C at rated load. Other options on request
Cooling:	Fan cooled
Alarms:	Output fail alarm - option
Dimensions:	FC500: 127 x 135 x 394mm FC1K: 192 x 135 x 394mm FC1.5K: 293 x 135 x 415mm FC2K: 293 x 135 x 415mm FC2.5K: 3U x 19in x 460mm FC3K: 6U x 19in x 460mm FC4K: 6U x 19in x 460mm FC5K: 6U x 19in x 460mm

Description

The **FC** series is a range of Frequency Converters that provide AC power conversion from 1-phase to 1-Phase, as well as frequency conversion.

The variety of voltage and frequency outputs cover world-wide standard voltage and frequencies for powering equipment in a range of Industrial, Avionics and Telecom applications.

The units provide true sinusoidal wave form and power levels from 500VA to 5KVA.

Units are manufactured to order and as such, can be customised to meet customers requirements and specifications.

• **For more detailed information on the FC series, visit our website.**

Options

Alarms:	Output Fail Alarm: voltage free relay contacts
Remote inhibit:	Remote ON/OFF
Ruggedised:	Conformal coating and ruggedisation for use in harsh environments
Mechanical:	Can design/manufacture to customer specified mechanical styles
Regulation:	\pm 2%

FC	Power	Input	Output	Options
Series	500W = 500	A = 115V / 60Hz	A = 115V / 60Hz	AL = Output Alarm
	1000W = 1K			
	1500W = 1K5	E = 230V / 50Hz	E = 230V / 50Hz	
	2000W = 2K			
	2500W = 2K5	M = 115V / 400Hz	M = 115V / 400Hz	
	3000W = 3K			
	4000W = 4K			
	5000W = 5K			