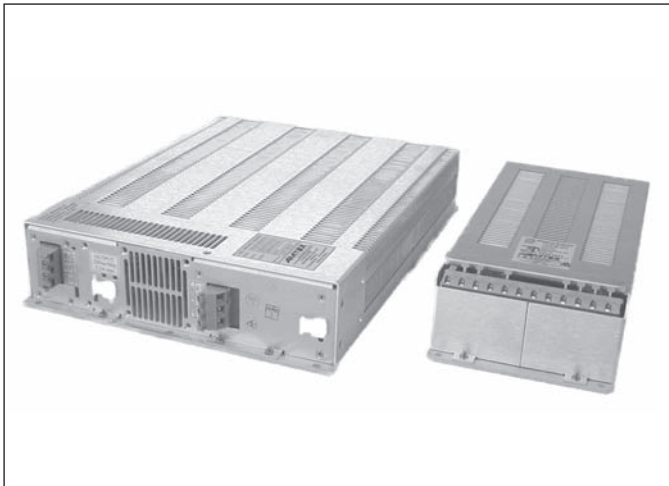


RSI - FT SERIES

DC/AC Sine Wave Inverters: 100 - 1000 Watts



Features

- Sinusoidal output waveform
- Ruggedised for **Rail** applications
- Level B filtering and conformal coating
- Frequency options 50Hz / 60Hz / 400Hz
- Wide range of input options: 24 - 270VDC
- Six power levels: 100 - 1000 watts
- Low profile 67mm
- Convection cooled - no fans (100 - 500W models)
- 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 to +20% 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 Other options on request
EMI:	EN55011 Class B conducted
Immunity:	EN61000-4
Regulation:	Load: ±6% from 10% to 100% load step
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
Cooling:	Convection cooled 100 - 500 watts Fan cooled 1000 watts
Alarms:	Output fail alarm - option (Voltage Free Contacts). Remote inhibit option
Dimensions/Weight:	RSI100: 196 x 113 x 52mm 1Kg RSI150: 264 x 113 x 58mm 1Kg RSI200: 290 x 132 x 62mm 1.5Kg RSI300: 351 x 153 x 67mm 2Kg RSI500: 351 x 254 x 67mm 4Kg RSI1000: 356 x 483 x 67mm 8Kg.

Description

The **RSI-FT** series DC/AC Sine Wave Inverters are designed for **Rail Applications** and a wide range of industrial applications, including Power Stations, Avionics and Telecommunications.

The additional ruggedising and conformal coating of PCBs provides a higher level of immunity to shock, vibration, humidity, moisture and dust, and, as such, is suitable for operation in harsh environments.

The RFI-FT series provide sinusoidal output waveform and input voltage options from 24 - 270VDC.

Output voltage and frequency are as per table below, but we are also able to design for other outputs.

Options

Alarms:	Output Fail Alarm: voltage free relay contacts
Remote Inhibit:	Remote ON/OFF
Connector:	A variety of terminals/connectors available to suit customers special requirements
19in. Rack Mount:	A wide range of 19" Rack Mount solutions

RSI	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		

Model Example

RSI300 - 4E - FT
Input: 48VDC Output: 230VAC 50Hz 300W

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