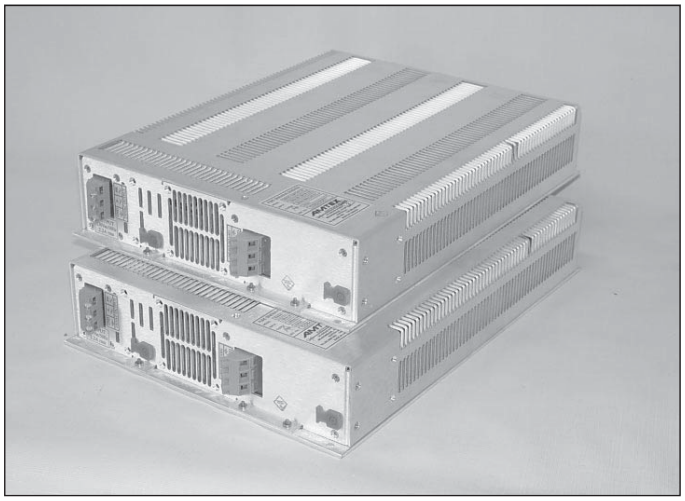
Pacific Automation
Reliable Solutions From The World's Latest Technology

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
- Wide range of inputs: 24~270 VDC
- 100~1000 watt options
- Optional output Fail alarm (some models)
- DC input options from 20~320 VDC
- Low profile 67mm
- Convection cooled - no fans
- Rugged design for harsh environments
- Designed for rail and mobile applications
- Full electronic protection
- Non standard input voltage options on request

Model example:

RSI300 - 4E - FT

Input: 48VDC Output: 230VAC 50Hz 300W

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

- Other input voltage options are available, complete part number will be factory allocated at the time of order for such models.

Specifications

INPUT VOLTAGE:	24VDC, 36VDC, 48VDC, 120VDC, 270VDC, other options on request.
INPUT RANGE:	-15% to +20% of nominal. Other options on request.
EFFICIENCY:	Model dependent, typically 80%
OUTPUT FREQUENCY:	50Hz and 60Hz standard, other options on request
INPUT PROTECTION:	Thermal fuse, inrush current limiting, reverse polarity protection
ISOLATION:	For input >60V: Input - output: 2250VDC Output - chassis: 1500VDC For input <60V: Input - output: 1500VDC Input - chassis: 500VDC
SAFETY:	Designed to meet IEC950/AS3260
OUTPUT VOLTS:	115V and 230V standard, other options on request
POWER:	100~1000 Watts
LINE REGULATION:	±6.0% from 10% to 100% load
LOAD REGULATION:	±0.5% over input range
PROTECTION:	Current limiting with short circuit protection. Self re-setting thermostat for thermal protection
IMMUNITY:	EN61000-4-2 ESD EN61000-4-4 Fast Transients & Bursts EN61000-4-5 Surge Immunity EN61000-4-6 Injected RF Immunity
EMI/RFI:	EN55011 Class B
LOAD CREST FACTOR:	Maximum 3 at full load
HARMONIC DISTORTION:	Less than 3% at 90% load
OPERATING TEMP:	0° to +50°C. Consult Amtex for extended range
TEMPERATURE DRIFT:	0.05% per °C over operating temperature range
OUTPUT ALARM:	Option on some models
MTBF:	180,000 hours
DIMENSIONS:	RSI100: 198 x 113 x 52mm 1Kg. RSI150: 254 x 113 x 58mm 1Kg. RSI200: 290 x 132 x 62mm 1.5Kg. RSI300: 351 x 153 x 67mm 2.0Kg. RSI500: 351 x 254 x 67mm 4.1Kg. RSI1000: 356 x 483 x 67mm 8.5Kg.