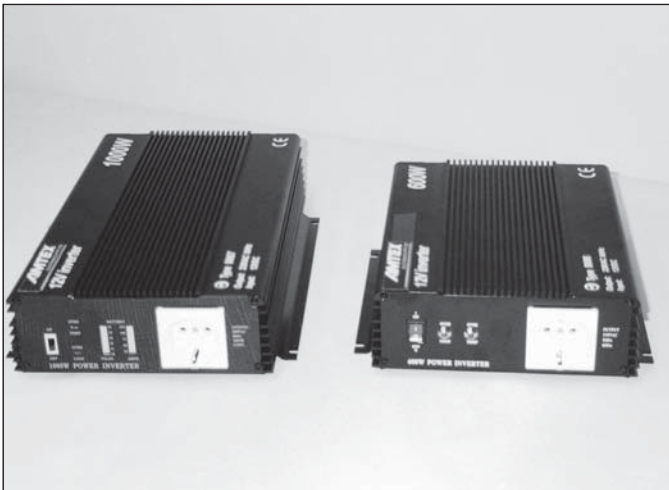


SI SERIES

DC/AC Sine Wave Inverters: 150-1000 Watts



Features

- 230VAC sinusoidal output waveform
- 12V and 24VDC input options
- Four power levels 150 - 1000 watts
- Short circuit protection
- Low battery shutdown
- Built-in alarm
- Suitable for use with a wide range of electrical equipment, including electric motors, computers, TV/Video, instruments etc.
- Light weight
- High efficiency 90%

General Specifications

Input Voltage:	12VDC (10 - 15) 24VDC (20 - 30)
Output Voltage:	230VAC
Output Frequency:	50Hz
Output Power:	150 - 1000 watts
Output Waveform:	Sine wave
No Load Current:	150W: 0.3A @ 12V, 0.5A @ 24V 300W: 0.7A @ 12V, 0.4A @ 24V 600W: 1.4A @ 12V, 1.0A @ 24V 1000W: 1.8A @ 12V, 1.0A @ 24V
Efficiency:	Typically 90%
Low Battery Alarm:	10.7V for 12V input models 21.4V for 24V input models
Low Battery Shutdown:	10V for 12V input models 20V for 24V input models
EMI:	EN61000-6-3
Immunity:	EN61000-6-1
Operating Temp:	20°C to +40°C at rated load.
Protection:	Input low voltage Input over voltage Low Battery Output short circuit Over temperature
Cooling:	Fan cooled
DC Terminals:	150W: battery clips 300-1000W: screw terminals
AC Output Socket:	Euro plug with Australian plug adaptor
Dimensions/Weight:	150W: 220 x 150 x 67mm 1.2Kg 300W: 220 x 150 x 67mm 1.75Kg 600W: 290 x 240 x 83mm 3.0Kg 1000W: 400 x 240 x 83mm 4.0Kg • Euro plug adaptor adds 15mm to length

Description

The **SI** series DC/AC Sine wave inverters offer a low cost solution for providing 230VAC power to a wide range of consumer electrical products, from an existing 12V or 24VDC battery supply.

The 230VAC output is a true Sine wave inverter and perfect to use with TV, Video, Computers, a range of electrical appliances, electric motors and many other instruments.

- **For more detailed information on the SI series, visit our website.**

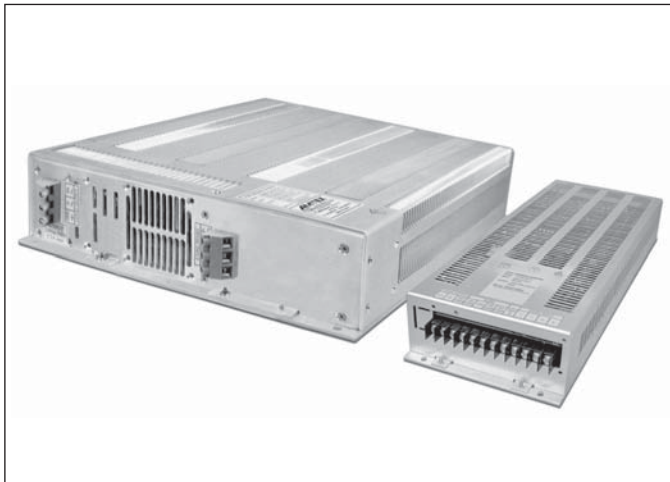
Options

PP-4023: Euro/Australian AC Plug adaptor (Supplied with each unit).

Model	Input	Output		Power Peak W
		Voltage	Power	
SI2284 - 12	12V	230VAC	150W	300W
SI2285 - 12	12V	230VAC	300W	500W
SI2286 - 12	12V	230VAC	600W	1000W
SI2287 - 12	12V	230VAC	1000W	2000W
SI2284 - 24	24V	230VAC	150W	300W
SI2285 - 24	24V	230VAC	300W	500W
SI2286 - 24	24V	230VAC	600W	1000W
SI2287 - 24	24V	230VAC	1000W	2000W

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

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
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.

- **For more detailed information on the CSI-FT series, visit our website.**

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

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		

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

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.

- **For more detailed information on the RSI-FT series, visit our website.**

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

Model Example

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

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		

XP SERIES

DC/AC Sine Wave Inverters: 100 - 1100 VA



Features

- Sinusoidal output waveform
- Frequency options 50Hz, 60Hz and 400Hz
- Output voltage options 100, 120 and 230VAC
- Wide range of input options: 12 - 120VDC
- Four power levels: 100 - 1100VA
- State of the art switched mode design
- Full electronic protection
- Standard product, short production lead times

General Specifications

Input Voltage:	12VDC (10.5 - 16.5) 24VDC (21.0 - 33.0) 32VDC (28.0 - 44.0) 48VDC (42.4 - 62.0) 66VDC (58.0 - 91.0) 110VDC (95 - 149.0)												
Output Voltage:	100VAC / 120VAC / 230VAC options												
Output Frequency:	50Hz, 60Hz, 400Hz options												
Frequency Stability:	±0.1%												
Harmonic Distortion:	Maximum 2%												
Output Power:	100 - 1100 watts												
Surge Power:	Typically 2.2 times rated output, except 125W and 250 models												
Efficiency:	Typically 88% at rated load												
Isolation:	For input >60VDC: Input - Output 2250VDC For input <60VDC: Input - Output 1500VDC												
EMI:	EN55014												
Protection:	Input under voltage protection Input over voltage protection Thermal shutdown												
Operating Temp:	-25°C to +40°C at rated load.												
Cooling:	Convection cooled 125W & 250W models Fan cooled 600W & 1100W models												
Connections:	DC input via screw terminals at rear of unit. AC output via screw terminals at rear of unit and IEC socket on front panel, with IEC to AUST socket extension cable P190BK05063												
Dimensions/Weight:	<table border="0"> <tr> <td>XP125:</td> <td>118 x 51 x 172mm</td> <td>0.9g</td> </tr> <tr> <td>XP250:</td> <td>265 x 70 x 135mm</td> <td>3.0kg</td> </tr> <tr> <td>XP600:</td> <td>196 x 92 x 300mm</td> <td>4.5kg</td> </tr> <tr> <td>XP1100:</td> <td>196 x 92 x 375mm</td> <td>4.5kg</td> </tr> </table>	XP125:	118 x 51 x 172mm	0.9g	XP250:	265 x 70 x 135mm	3.0kg	XP600:	196 x 92 x 300mm	4.5kg	XP1100:	196 x 92 x 375mm	4.5kg
XP125:	118 x 51 x 172mm	0.9g											
XP250:	265 x 70 x 135mm	3.0kg											
XP600:	196 x 92 x 300mm	4.5kg											
XP1100:	196 x 92 x 375mm	4.5kg											

Description

The **XP** series DC/AC Sine Wave inverters offer a standard product with short production lead times to suit a wide range of industrial applications, including Power Stations, Avionics and Telecommunications.

They provide sinusoidal; output waveform and input voltage options from 12 - 120VDC.

The 250 - 1100W models have AC available on an IEC socket or on screw terminals inside the unit for hard wiring. The XP125 is only available with 100/120VAC output.

- **For more detailed information on the XP series, visit our website.**

Options

Transfer Switch X20:	P/N: X20: Utility as the primary source of power. Transfer utility to inverter output on AC power fail. (XP600 - XP1100)
Transfer Switch X28:	P/N: X28: Inverters as the primary source of power. Transfer inverter to Utility output on inverter power fail. (XP600 - XP1100)
Alarm Switch X27:	P/N27: X27: Inverter output fail alarm relay, change over contacts. (XP600 - XP1100).
Rack Mount:	Various 19in Rack mounting options, contact out office.

Model Examples:

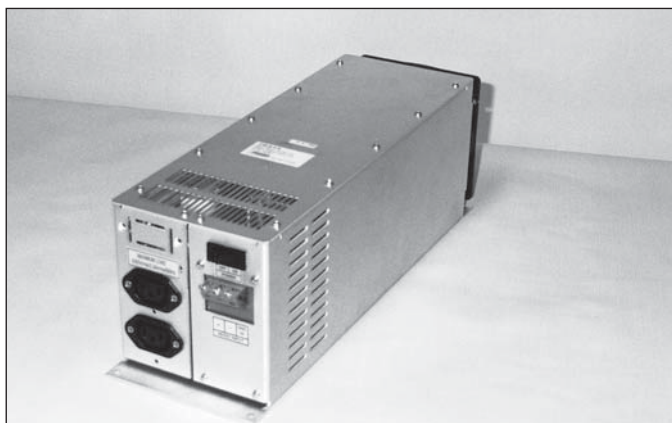
- XP-6-3-2-5** (24VDC/230VAC 50Hz 600W)
- XP-K-3-I-5** (110VDC/230VAC 50Hz 1100W)

- 125 models not available with 230VAC output

XC	Power	Output VAC	Input VDC	Frequency
Series	1 = 125W	0 = 100VAC	1 = 12V	5 = 50Hz 6 = 60Hz 4 = 400Hz
	2 = 250W	1 = 120VAC	2 = 24V	
	6 = 600W	3 = 230VAC	B = 32V	
	K = 1100W		3 = 36V	
			4 = 48V	
			E = 66V	
			I = 110V	

CSI SERIES

DC/AC Sine Wave Inverters: 500 - 5000 Watts



General Specifications

Input Voltage:	24VDC, 36VDC, 48VDC, 120VDC, 270VDC • Other input options on request.
Input Range:	±15%, (other options on request)
Output Voltage:	115VAC/230VAC options
Output Frequency:	50Hz, 60Hz, 400Hz options
Output Power:	500 - 5000 watts
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 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
Cooling:	Fan cooled
Alarms:	Output fail alarm - option (Voltage Free Contacts). Remote inhibit option
Dimensions/Weight:	For inputs <125VDC CSI500: 127 x 135 x 394mm 4Kg CSI1K: 192 x 135 x 394mm 6Kg CSI1.5K: 293 x 135 x 415mm 6-10Kg CSI2K: 293 x 135 x 415mm 6-10Kg CSI2.5K: 3U x 19in x 460mm 10-15Kg CSI3K: 6U x 19in x 460mm 28Kg CSI4K: 6U x 19in x 460mm 28Kg CSI5K: 6U x 19in x 460mm 30Kg

Description

The **CSI** 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. Available in free standing/wall mounting assemblies or a range of 19in rack mount solutions.

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

• For more detailed information on the CSI 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

For inputs >125VDC	
CSI500:	127 x 135 x 394mm 4Kg
CSI1K:	127 x 135 x 394mm 6Kg
CSI1.5K:	192 x 135 x 394mm 6-10Kg
CSI2K:	192 x 135 x 394mm 6-10Kg
CSI2.5K:	293 x 135 x 415mm 10-15Kg
CSI3K:	293 x 135 x 415mm 28Kg
CSI4K:	252 x 135 x 415mm 28Kg
CSI5K:	6U x 19in x 460mm 30Kg
* Other mechanical styles available on request	

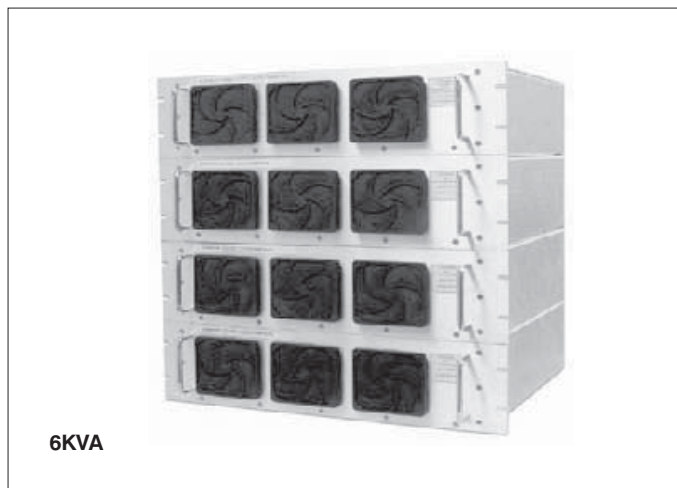
CSI	Power	Input	Output	Options	
Series	500W = 500	24V = 2	A = 115V / 60Hz	AL = Alarm Output alarm	
	1000W = 1K	36V = 3			
	1500W = 1K5	48V = 4	E = 230V / 50Hz		
	2000W = 2K	72V = 7			
	2500W = 2K5	96V = 9	M = 115V / 400Hz		
	3000W = 3K	125V = 5			
	4000W = 4K	250V = 6			
	5000W = 5K				
	Model Example				
	CSI-1K-4E Input: 48VDC Output: 230VAC 50Hz 1000W				

CTP SERIES

DC/AC 3Phase Inverters: 1500 - 6000VA



3KVA



6KVA

General Specifications

Input:	24VDC, 48VDC, 125VDC, 250VDC (±15%) Other options on request
Output:	208VAC 3phase 380VAC 3phase 415VAC 3phase Centre point neutral system
Output Frequency:	50Hz, 60Hz, 400Hz options
Output Waveform:	Sinusoidal
Harmonic Distortion:	Less than 5% at full load
Efficiency:	Model dependant typically 78%
Load Regulation:	±6% from 10% to 100% load step
Output Protection:	Current limiting with short circuit protection Thermal shutdown with auto recovery
Load Crest Factor:	Maximum 3.0 at 90% load
Frequency Stability:	±0.1%
Operating Temp:	0°C to +50°C at rated load
Cooling:	Built-in fans
Connections:	Model dependant/customer options
Dimensions & Weight:	1.5KVA: 3U x 19in x 18in Rack 15Kg 3.0KVA: 6U x 19in x 18in Rack 30Kg 6.0KVA: 12U x 19in x 18in Rack 55Kg

Features

- Wide range of DC input options 24 - 250VDC
- 3 phase 208VAC, 380VAC, 415VAC output options
- 19in Rack mount (other options on request)
- Sinusoidal output wave form
- Isolated, floating output
- 1.5KVA, 3.0KVA and 6.0KVA output power
- Electronic Protection
- Professional quality
- Suitable for wide range of applications

Description

The **CTP** Series on three phase output power inverters are a modular design that allows us to offer a wide range of input/output combinations, as well as mechanical styles. The information shown here is to serve as a sample of the units we can manufacture.

Model	Input Voltage VDC	Output Voltage	Output Frequency	Power VA
CTP1500	24V, 48V, 72V 125V, 250V	208VAC 3phase 380VAC 3phase 415VAC 3phase	50Hz 60Hz 400Hz	1500VA
CTP3000	24V, 48V, 72V 125V, 250V	208VAC 3phase 380VAC 3phase 415VAC 3phase	50Hz 60Hz 400Hz	3000VA
CTP6000	24V, 48V, 72V 125V, 250V	208VAC 3phase 380VAC 3phase 415VAC 3phase	50Hz 60Hz 400Hz	6000VA

Note:
Final part number will be factory allocated to reflect output voltage and other options