

Compact Sine Range Inverter

200W-3000W INVERTER FOR ONBOARD OPERATION



e marked for vehicle use

Mains electricity is often required on-board vehicles and in remote applications to drive tools, computers, air-conditioning, refrigeration and other specialised loads where a mains connection is impractical or impossible.

The Compact Sine Range inverters produce a true sinewave output from a battery. They convert power at very high efficiency to give the maximum possible running time.

Compact size, light weight and high efficiency are achieved by using high frequency output circuitry.

This comprehensive range includes 110V output for use with equipment external to the vehicle where legislation demands.

All inverters can be supplied on special order as a input 48V option.

Key features

- 200W-3000W
- 12V or 24V, 110V or 230V
- All load power factors
- Battery low voltage shutdown
- Overload protection
- Short circuit protection
- Thermal protection
- Crystal controlled frequency
- Stable fully regulated sine output
- Simple flange mounting
- BS4343 socket options
- Robust enclosure
- Remote control monitoring panel
- Remote on/off control wire
- 48VDC option (special order)

System design

Our engineers specialise in switch mode power design and have a wealth of know-how, applying inverters to specific tasks, combining them with the correct batteries, alternators and control philosophy - always ensuring that your system operates as intended. We can provide assistance with RCCD requirements for AC mains on vehicles.

DC accessories & batteries

We also offer a full range of high current DC accessories including cables, fuses, insulation covers and connectors (see separate technical sheets) as well as a comprehensive range of Valve Regulated Lead Acid (VRLA) batteries suitable for inverter applications.

Antares support

Antares have a reputation for supporting our customers and products, taking great pride in giving engineering service. We have a fully equipped test and repair department in the UK to support our products throughout their life.



FM 37786
ISO 9001:2000

















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ANTARES
engineering with answers

Compact Sine Inverter

200W-3000W INVERTER FOR ONBOARD OPERATION

Continuous power		200W	350W	700W	1000W	1500W	2000W	3000W
Max power (3 mins)		230W	400W	800W	1150W	1725W	2300W	3450W
Surge power		400W	700W	1400W	2000W	3000W	4000W	6000W
12V/230VAC version	12V	91077	91083	91030	91095	91061	91042	91034
24V/230VAC version	24V	91079	91085	91032	91097	91062	91045	91046
230V Connector outlet	Std/opt	 UK	 UK	 UK	 UK	 UK	 / 	 / 
12V/110VAC version	12V	91076	91082	91029	91094	91063	91049	91033
24V/110VAC version	24V	91078	91084	91031	91096	91064	91052	91053
110V Connector outlet	Std/opt	 Nema	 Nema	 Nema	 Nema	 Nema	 UK ind	 UK ind
Input voltage range	12V versions = 10.5-15.0VDC , 24V versions 21-30VDC							
Typical efficiency (230V ver)		88%	85%	91%	91%	92%	92%	92%
Dimensions width	mm	147	147	180	182	422	422	452
Dimensions length	mm	185	185	295	383	208	208	208
Dimensions height	mm	60	60	72	88	160	160	166
Weight	kg	1.2	1.4	2.7	4.0	7.0	9.0	10.0
No-load power	Watts	NA	NA	17W	18W	33W	36W	36W
Standby mode power	Watts	NA	NA	3W	4W	4W	7W	9W
GENERAL DATA FOR ALL UNITS								
Output waveform	True sinewave <3% THD (Total Harmonic Distortion) at nominal load power							
Output voltage	Selectable by switches for (220/230/240V) AC or output (100/110/120V) AC							
Output frequency	50Hz/60Hz +/- 0.05% (crystal controlled, selectable by a switch)							
Operating temperature	0° C to 40° C (storage -30° C to 70° C)							
Remote control panel	Panel provides remote protection LEDs, voltage LED ladder, power LED ladder, and on/off button—12V version Pn 91072 , 24V version Pn 91073							
Remote Control wire (can not be used with remote panel)	Control wire switches inverter on when voltage is applied to the input wire - 12V version Pn 70577 , 24V version Pn 70596 . Delayed switch off control and other program versions are available							
110V Output socket options	700W-1000W = US/Nema 5-15R socket, 1500W = 2000W and 3000W = 110VAC yellow BS4343 Pn 64284 Power Cord (2M/10A/US Nema 5-15R plug—IEC Socket) Pn 81001 Power Cord (2M/15A/US Nema plug— BS4343 Yellow)							
Protection	Overload, short circuit, reverse polarity (fuse) over/under input voltage, over temperature low voltage shutdown, high voltage shutdown							
Safety	EN60950 (230V models) UL458 (110V models)							
EMC	EN55022, EN55024, EN61000-3-2, EN61000-3-3							
e marking (230V)			e13-022986	e13-022964	e13-022876	e13-022846	e13-022845	