Compact Sine Inverter Range

200W-3,000W INVERTERS FOR ONBOARD OPERATION

110V inverter shown with remote on/off display
e marked for vehicle use

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

Antares Pure Sine wave Inverters are designed specifically for professional applications where reliability is required. Our inverters produce a pure sine wave 230VAC 50Hz (or 110VAC 60Hz) supply form a 12V or 24V battery bank or DC supply.

Antares inverters convert power at very high efficiency to give the maximum possible running time from the smallest battery bank. Compact size, light weight and high efficiency are achieved by using high frequency output circuitry.

This comprehensive range includes 110V AC output for use with equipment outside the vehicle where legislation or common sense requires it.

Key features

- Pure Sine Wave output
- 200W-3kW
- 12V or 24V in
- 110V or 230V out
- 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)
- Optional display/control panel
- Optional controllers

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 powering your 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.

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ANTARES
engineering with answers

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200W-3,000W 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 DC Input	230VAC	**91077**	**91083**	**91030**	**91095**	**91061**	**91042**	**91034**
24VDC Input	230VAC	**91079**	**91085**	**91032**	**91097**	**91062**	**91045**	**91046**
Socket Std/opt	230VAC	UK		UK	UK	UK	/	/
12V DC Input	110VAC	**91076**	**91082**	**91029**	**91094**	**91063**	**91049**	**91033**
24V DC Input	110VAC	**91078**	**91084**	**91031**	**91096**	**91064**	**91052**	**91053**
Socket Std/opt	110VAC	Nema	Nema	Nema	Nema	Nema	UK ind	UK ind
Input voltage range		12V versions =10.5-15.0VDC , 24V versions 21-30VDC. 48VDC by special order.						
Typical efficiency (230V ver)		88%	85%	91%	91%	92%	92%	92%
Dimensions width	mm	147	147	180	182	191	208	208
Dimensions length	mm	185	185	295	383	415	422	452
Dimensions height	mm	60	60	72	88	88	166	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 part number from the table above: 230VAC or 110VAC						
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**						
In-line controller (cannot 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 and other program versions are available, see datasheet						
110V Output socket options		200W-1500W = US/Nema socket 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