

CSR2 mini Inverter

SMALL EQUIPMENT ON-BOARD AC SUPPLY



230V EU socket version illustrated

Mains electricity is often required on board vehicles and in off grid applications to charge or run small power / cordless tool chargers, laptops, and tablets, where a mains connection is impractical or impossible.

Antares CSR2 mini Inverter is designed by our partner Coteck specifically for professional applications where reliability is required and packs in advanced control techniques not normally associated with small low power inverters.

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 CSR2 mini includes 110V AC output for use with equipment powered from a vehicle where legislation dictates. 48V versions for telecom applications are also available.

Key features

- Pure Sine Wave output
- 350W
- Surge power of 700W
- 12V or 24V versions
- 110V or 230V output variants
- Battery low voltage shutdown
- Overload protection
- Short circuit protection
- Thermal protection
- Accurate frequency
- Stable fully regulated output
- Simple flange mounting
- Robust enclosure
- Power save feature
- 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 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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Part Number	91108	91109	91111	91112
Output voltage	200/220/230/240 VAC ±5%)		100 /110/120 VAC (±5%)	
Output Rated Power	350W	350W	350W	350W
Output Surge Power	700W	700W	700W	700W
Output waveform	Pure sinewave (THD < 3% @ rated VAC linear load			
Output Frequency	50Hz/60Hz +/- 0.1% (selectable by a switch)			
Input Voltage	12VDC	24VDC	12VDC	24VDC
Typical efficiency	86%	87%	87%	89%
Socket type				
Shutdown Low Voltage Battery	10V ± 0.25V	20V ± 0.5V	10V ± 0.25V	20V ± 0.5V
Low Battery Warning	10.5V ± 0.25V	21V ± 0.5V	10.5V ± 0.25V	21V ± 0.5V
Inverter Low Battery Auto Restart	12V ± 0.25V	24V ± 0.5V	12V ± 0.25V	24V ± 0.5V
High Battery Warning	15V ± 0.25V	30V ± 0.5V	15V ± 0.25V	30V ± 0.5V
Shut Down High Voltage	15.5V ± 0.25V	31V ± 0.5V	15.5V ± 0.25V	31V ± 0.5V
Inverter High Battery Auto Restart	15.5V ± 0.25V	31V ± 0.5V	15.5V ± 0.25V	31V ± 0.5V
Protection	Overload, short circuit, over/under input voltage, over temperature shutdown, low voltage shutdown, high voltage shutdown			
Reverse Polarity	NO , May lead to permanent damage			
Dimensions	188x150x68 (H) mm			
Weight	1.33 Kg		1.21 Kg	
No-load power consumption	11W	11W	8W	8W
Save mode power consumption	1W	1W	1W	1W
Cooling	Controlled fan at 55± 5°C temperature or 53% ± 5%			
Operating Temperature	-20°C to +40°C			
Starage Temperature	-30°C to +70°C			
Working Humidity	Maximum 90%, non condensing			
Status Display	Tri colour LED indicator			
EMC	EN55022:2006+A1:2007 Class B EN61000-3-2:2006 Class A, EN61000-3-3:2008			
Safety	EN60950-1:2005 Second Edition			
E marking	Certified CISPR 25:ISO 7637-2			
Power Saving	With the dip switch in position 4, the power saving mode is active after 25 seconds when the load is below 20W			