

Pure power... whenever and wherever you need it.

REDARC®

You probably already know that inverters are a great way to power your 240 volt appliances when you're on the road.

What you may not know is that not all inverters are created equal. The output from many inverters is a modified sine wave inferior to the power supplied by the 240 volt mains power supply.

REDARC pure sine wave inverters on the other hand, produce a pure sine wave output. This means the power output from a REDARC pure sine wave inverter is not only the same as the mains supply... it's often even better!

A pure sine wave is not only critical for the correct functioning of high-end electronic equipment, it will also ensure that all your appliances run more smoothly, producing less heat and noise.

Benefits

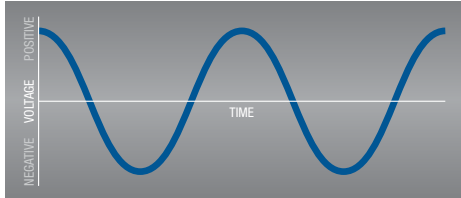
- Designed to run any commonly-used 240 volt AC household appliances in your vehicle
- Essential for running power tools and protecting sensitive electronic equipment
- A cost-effective power solution
- All the comforts of home whilst you travel



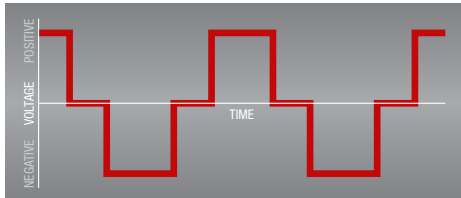
What is a pure sine wave?

The power supplied on the national power grid is 240V 50Hz AC - or alternating current. This means that the current effectively 'switches direction' 50 times every second... there is no positive and negative as there is with a DC battery.

The change is smooth and gradual, conforming to what's called a sine wave, like the line in this diagram...



Cheaper inverters try to emulate a sine wave by 'chopping off' the corners of a square wave, creating a modified square wave, like the line in this diagram...



...and why does it matter?

Lots of simple appliances, like incandescent light bulbs and even electric motors, will work fine with a modified sine wave although they produce more noise and heat.

However, more sophisticated appliances like computers and power tools may not operate at all when run off a modified square wave.

Whatever appliances you're operating, a pure sine wave inverter is far preferable to a modified square wave inverter.

Which model do I need?

Model	Power rating	Suitable applications
R-12-150S/R-24-150S	150W	Phone and camera chargers, CD players, GPS
R-12-350S/R-24-350S	350W	Any of the above plus computers, vacuum cleaners, bi-pap machines, laptops
R-12-700S/R-24-700S	700W	Any of the above plus TVs, refrigerant recovery machines
R-12-1000S/R-24-1000S	1000W	Any of the above plus coffee makers, power tools
R-12-1500S/R-24-1500S	1500W	Any of the above plus hairdryers, irons
R-12-2000S/R-24-2000S	2000W	Any of the above plus microwaves
R-12-3000S/R-24-3000S	3000W	Any of the above plus heaters, kettles

Power usage guide



Specifications

XX represents the input voltage, XXX represents the wattage.

Part number	R-XX-150S	R-XX-350S	R-XX-700S	R-XX-1000S	R-XX-1500S	R-XX-2000S	R-XX-3000S
Continuous output power	150W	350W	700W	1000W	1500W	2000W	3000W
Maximum output power	220W	385W	770W	1100W	1650W	2200W	3300W
Max surge rating	400W	700W	1400W	2000W	3000W	4000W	6000W
Input voltage	R-12-XXXS		12V				
	R-24-XXXS		24V				
Input voltage regulation	R-12-XXXS		10.5 - 15.0V				
	R-24-XXXS		21.0V - 30.0V				
Frequency	50/60Hz ± 0.05%						
Efficiency	R-12-XXXS	90%	91%	91%	91%	90%	91%
	R-24-XXXS	93%	93%	93%	94%	93%	94%
Dimensions	185 x 147 x 60mm	185 x 147 x 60mm	295 x 180 x 72mm	383 x 182 x 88mm	415 x 191 x 88mm	422 x 208 x 166mm	452 x 208 x 166mm
Weight	1.2kg	1.4kg	2.7kg	4.0kg	4.8kg	9.0kg	9.8kg
Warranty	2 years						

See REDARC Pure Sine Inverters at your nearest auto-electrician or 4WD speciality store.

Made in China

REDARC Electronics

ABN 77 136 785 092

power@redarc.com.au

23 Brodie Road (North)
Lonsdale, South Australia
Australia 5160

Australia

Phone (08) 8322 4848

Fax (08) 8387 2889

International

Phone +61 8 8322 4848

Fax +61 8 8387 2889

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