

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

You probably already know that inverters are a great way to power your 240V 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 240V 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.

Primary features and benefits

- Mains power wherever you are
- Prevents crashes in computers, corrupt printouts and monitor flicker
- Pure sine wave output with lower harmonic distortion
- High efficiency, allowing you to run more devices and for longer
- Suitable for power tools and delicate electronic equipment
- Pure sine wave results in less unwanted heat or noise generated by inductive appliances like pumps and motors



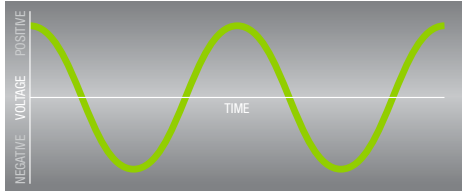
REDARC®

THE POWER CONVERSION SPECIALISTS

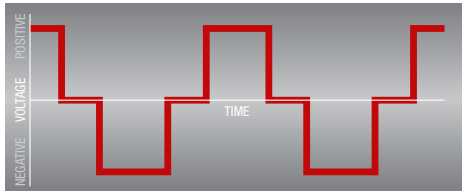
So what is a 'pure sine wave'?

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 the square wave, creating a modified square wave, like the line in this diagram...



...and why does it matter?

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

More complicated appliances, like computers and many power tools, don't like a modified square wave and operate erratically - if at all!

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

Which model do I need?

Model	Power rating	Suitable applications
R-12-150S/R-24-150S	150W	Phone and camera chargers, CD players
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 machine
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

Shown here are some appliances you may want to use and their typical power usage.



Specifications

	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-XXXX R-24-XXXX			12V 24V				
Input voltage regulation	R-12-XXXX R-24-XXXX			10.5-15.0V 21.0-30.0V				
Frequency	50/60Hz ± 0.05%							
Efficiency	R-12-XXXX R-24-XXXX	90% 93%	91% 93%	91% 93%	91% 94%	90% 93%	91% 94%	90% 93%
Dimensions (L x W x H)	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 9.0mm	452 x 208 x 166mm	
Weight	1.2kg	1.4kg	2.7kg	4.0kg	4.8kg	1.2kg	9.8kg	

See the Redarc Pure Sine Wave Inverter range at your nearest automotive parts dealer



Redarc Electronics

ABN 77 136 785 092

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

Local

Phone (08) 8322 4848
Fax (08) 8387 2889

International

Phone +618 8322 4848
Fax +618 8387 2889



THE POWER CONVERSION SPECIALISTS