THE POWER OF
REDARC

INVERTERS.

FIND POWER ANYWHERE.

REDARCELECTRONICS.COM/INVERTERS

EASY TO USE.

EASY INSTALL.

HOME COMFORTS ON THE ROAD.

PURE SINE WAVE INVERTERS.

No more sacrificing luxury! Take your home appliances wherever you go and discover power and convenience like you've never experienced before with REDARC's Pure Sine Wave Inverters.

REDARC Pure Sine Wave Inverters produce the output required for powering most 100-120 VAC equipment on the road.

They allow the use of laptops, televisions, blenders, smokers, coffee machines and power tools by replicating grid power to common household appliances.

- Take all the comforts of home wherever you travel
- Appliances will run smoothly and efficiently, producing less heat and noise
- Designed to run any 100-120 VAC equipment
- Multiple levels of protection
- Five models available

Producing a pure sine wave, REDARC's inverters ensure smoother, more efficient running of appliances including laptops and phone chargers, power tools, heaters, kettles and more.

Slimmer and lighter, REDARC inverters have a wider input voltage range and they work comfortably anywhere.

All inverters feature multiple levels of protection including overload, short-circuit, over-temperature and a load-controlled cooling fan which engages when power consumption reaches a pre-set level.

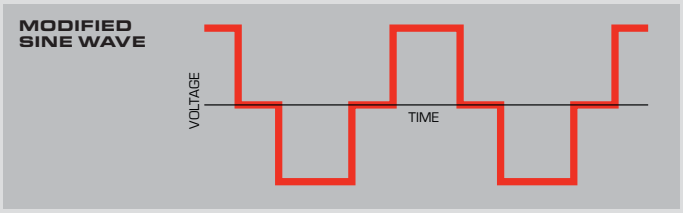
With REDARC inverters you can take all the comforts of home with you while you travel - without fear of damaging your valuable appliances.

INVERTER REMOTE.

REMOTE-RS

REDARC also has a remote on/off switch (sold separately) which allows the inverter to be controlled remotely. The inverter can be installed out of sight and controlled from a more convenient location, such as the inside of your caravan or campervan. The remote switch can be flush-mounted up to 26' from the inverter.

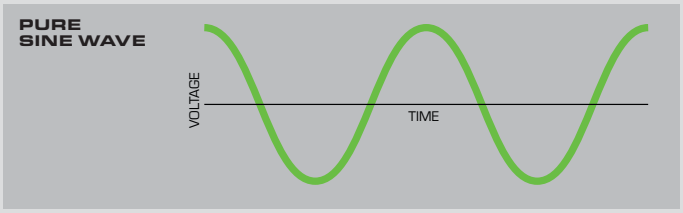
MODIFIED SINE WAVE INVERTERS VERSUS REDARC PURE SINE WAVE INVERTERS.



Cheaper inverters try to imitate a sine wave by 'chopping off' the corners of a square wave, creating a modified square wave.

Modified sine wave inverters can often lead to appliances overheating. This is due to the square wave having faster switching times on each polarity change, which stresses appliances designed for pure sine wave.

Light bulbs and shunt motors may be able to run on a modified sine wave but for many other appliances this will not be sufficient.



REDARC Pure Sine Wave Inverters are the safest choice for using common household appliances on the road as they give you an output almost identical to household grid power.

The change in a pure sine wave is smooth and gradual, ensuring the correct functioning and efficient operation of high end electronic equipment.

CHOOSE YOUR INVERTER.

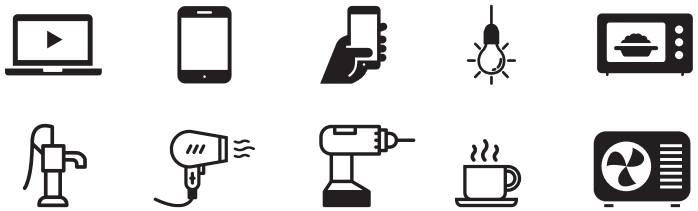
WHICH MODEL DO I NEED?

MODEL	SUITABLE APPLICATIONS
R-12-400RS-NA	Phone and camera chargers, CD players, GPS, computers, CPAP machines, laptops
R-12-1000RS-NA	Any of the above plus TVs, power tool battery chargers
R-12-1500RS-NA	Any of the above plus capsule coffee machines
R-12-2000RS-NA	Any of the above plus irons, hairdryers, microwaves
R-12-3000RS-NA	Any of the above plus heaters, espresso machines, kettles

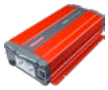
Refer to both the appliance's and the inverter specifications before selecting the inverter model.

DETERMINING YOUR BATTERY NEEDS.

From operating USB devices to running a coffee machine, and more, there is an ideal battery solution for your needs. The best way to work it out is to look at the largest appliance you intend to use and go from there. For example, if you plan on using a microwave, you'll need at least two batteries and an inverter.



PURE SINE WAVE INVERTER INSTALLATION

	 R-12-400RS-NA	 R-12-1000RS-NA	 R-12-1500RS-NA	 R-12-2000R-NA	 R-12-3000RS-NA
Power rating	400W (±3%)	1000W (±3%)	1500W (±3%)	2000W (±3%)	3000W (±3%)
Surge capacity	<800W (1 second)	<1750W (3 seconds)	<2650W (3 seconds)	<3500W (3 seconds)	<6000W (1 second)
DC input voltage	12V	12V	12V	12V	12V
DC input voltage range	10.5-16.0V	10.5-16.5V	10.5-16.5V	10.5-16.5V	10.5-16.5V
Output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Output AC frequency	50/60Hz ±0.5% (selectable)	50/60Hz ±0.5% (selectable)	50/60Hz ±0.5% (selectable)	50/60Hz ±0.5% (selectable)	50/60Hz ±0.5% (selectable)
Operating temperature	-4~104°F - Derates to 140°F (-20~40°C - Derates to 60°C)	-4~104°F - Derates to 140°F (-20~40°C - Derates to 60°C)	-4~104°F - Derates to 140°F (-20~40°C - Derates to 60°C)	-4~104°F - Derates to 140°F (-20~40°C - Derates to 60°C)	-4~104°F - Derates to 140°F (-20~40°C - Derates to 60°C)
Socket type	North American (GFCI)	North American (GFCI)	North American (GFCI)	North American (GFCI)	Hard wire plate
Dimensions	5.9 x 2.7 x 7.4" (150 × 68 × 187 mm)	7.9 x 3.3 x 14.7" (200 × 83 × 372 mm)	9.8" × 3.3" × 16.6" (248 × 83 × 421 mm)	9.8" × 3.3" × 17.4" (248 × 83 × 443 mm)	10.1 x 6.2 x 17.4" (255 × 158 × 442 mm)
Weight	2.8 lb (1.3 kg)	7.2 lb (3.3 kg)	9.7 lb (4.4 kg)	11.6 lb (5.2 kg)	18 lb (8.2 kg)

Optional REMOTE-RS remote on/off switch is available for all models.
R-12-2000-NA and R-12-3000-NA are compliant for industrial applications only.

FC CAN ICES-003(B)/NMB-003(B) c UL us LISTED 5DA7 POWER CONVERTER E503004

THE POWER OF

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REDARCELECTRONICS.COM

For free product support contact REDARC Tech Support on the numbers below or send an email to power@redarcelectronics.com. A complete list of distributors can be found at redarcelectronics.com/distributors.

Local calling numbers

USA +1 (704) 247-5150
Canada +1 (604) 260 5512
Mexico +52 (558) 526 2898

International head office

23 Brodie Road North, Lonsdale
South Australia, Australia 5160
Email power@redarcelectronics.com

8am to 5.30pm Australian Central Standard Time Monday to Friday

 7341-220512