

# Australian made, world renowned

## APPROVED DISTRIBUTOR:

# Nothing comes remotely close

From humble beginnings as a small operation in 1985, Latronics® has grown to be a manufacturer and supplier of world-class domestic and industrial inverters to more than 30 countries right around the globe. Today the company continues to build its name and reputation with a growing range of leading edge products that proudly bare the Latronics® trademark.

### Solar pioneers

Latronics® was one of the early pioneering companies in Australia to design and manufacture power inverters to convert DC battery power to AC mains power.

Our proud history began with servicing the needs of remote 'off grid' areas. Today, as Australia's largest inverter manufacturer, Latronics® has extended its experience and expertise to develop the highest quality range of domestic 'on grid' applications and 'off grid' camping and caravan, marine and industrial applications.

### Our greatest technological advancement is our people

You won't find any robots in our factory; just a group of highly trained, highly dedicated Australian's who pride themselves on 'hand making' the best inverters in the world. And each and every one of our staff is committed to enhancing and maintaining the Latronics® reputation. Why? Because it's their reputation too.

### We're 100% solar powered

Having helped to generate billions of KW hours over the decades, it makes perfect sense that our factory is 100% powered by the sun. But our commitment to the environment goes far beyond our clean, green energy. As an environmentally responsible company, we embrace every opportunity to ensure that every aspect of our production contributes toward a sustainable future.

### The world's first carbon neutral inverter manufacturer

With a total solar input of 26kW on our factory roof, our completely self-funded system is now one of the largest solar installations in Queensland. Today we proudly export more power to the grid than we can use, contributing even more to a cleaner, greener environment.

12V INVERTER SPECIFICATIONS				
Model	LS-512	LS-1012	LS1512	LS2012
Continuous power	500W	1000W	1500W	2000W
Surge rating (5 second)	1500W	3000W	4500W	6000W
Standby current	27mA	37mA	42mA	75mA
Weight	5.5Kg	11Kg	14Kg	22Kg
Dimensions	26x16x10	33x30x15	33x30x15	37x39x18
Output voltage	230Vac ± 4%			
Output frequency	50Hz ± 0.1%			
Output waveform	True sinewave			
Warranty	2 years	2 years	2 years	3 years
Standards	AS3100, EN55014, CE, C-TICK			

24V INVERTER SPECIFICATIONS						
Model	LS-624	LS-1224	LS-1824	LS-2324	LS-3024	LS4024
Continuous power	600W	1200W	1800W	2300W	3000W	4000W €
Surge rating (5 second)	1800W	3600W	5400W	6900W	9000W	12000W
Standby current	22mA	28mA	30mA	45mA	50mA	60mA
Weight	5.5Kg	11Kg	14Kg	22Kg	24Kg	30Kg
Dimensions	26x16x10	33x30x15	33x30x15	37x39x18	37x39x18	47x46x19
Output voltage	230Vac ± 4%					
Output frequency	50Hz ± 0.1%					
Output waveform	True sinewave					
Warranty	2 years	2 years	2 years	3 years	3 years	3 years
Standards	AS3100, EN55014, CE, C-TICK					

48V INVERTER SPECIFICATIONS							
Model	LS-648	LS-1248	LS-1848	LS-2548	LS-3548	LS-5048	LS-7048
Continuous power	600W	1200W	1800W	2500W	3500W	5000W	7000W €
Surge rating (5 second)	1800W	3600W	5400W	7500W	10500W	15000W	20000W
Standby current	19mA	22mA	24mA	35mA	40mA	55mA	60mA
Weight	5.5Kg	11Kg	14Kg	22Kg	24Kg	30Kg	34Kg
Dimensions	26x16x10	33x30x15	33x30x15	37x39x18	37x39x18	47x46x19	47x46x19
Output voltage	230Vac ± 4%						
Output frequency	50Hz ± 0.1%						
Output waveform	True sinewave						
Warranty	2 years	2 years	2 years	3 years	3 years	3 years	3 years
Standards	AS3100, EN55014, CE, C-TICK						

Customised AC/DC voltages also available

This brochure has been printed on carbon neutral paper made from 100% post consumer recycled waste with soy based inks.



CE

STBLS01

AUSTRALIAN MADE

# World-class green engineering from the heart of Australia

## Tested in the biggest lab in the world

As the sunburnt country, Australia offers up the harshest, most trying conditions in the world. From searing temperatures and dust storms to hail and snow, the Latronics® inverter's robust design has been proven over decades to take everything the Australian environment can throw at it. Built in Australia for Australian conditions so they are built to last.

## We've thrown away the 'throw-away' concept

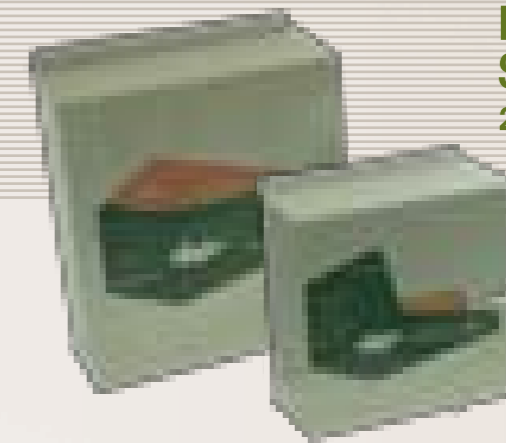
Almost every part of a Latronics® inverter is recyclable, from the case down to individual components. Instead of just being thrown away these units are designed to be able to be repaired and recommissioned to last even longer (should anything ever actually fault). On top of this, the manufacturing process for all of our products generates very little waste.

## The first with many firsts

The international success of the Latronics® inverter range has enabled us to undertake a range of research and development projects into new and improved products associated with alternative energy. Today the Latronics® PV Edge inverter offers a world-first 'low voltage advantage'.™



## LS SERIES SINEWAVE INVERTER 500 – 1800W



## LS SERIES SINEWAVE INVERTER 2000 – 7000W



# You'd have to go a long way to find an inverter this good

Latronics® LS Series Sinewave Inverters can be used in a wide variety of 'off grid' settings, from remote area solar power through to caravan and camping, and marine applications.

The most powerful and reliable inverter on the market, the Latronics® LS Series Inverter utilises the most advanced microprocessor algorithms, guaranteeing your power conversion is pure and stable.

## The best inverters in the country

Latronics® Inverters have been specifically designed for remote locations where continuous and reliable operation is of paramount importance. With one of the lowest failure rates in the world, Latronics® have inverters that are still operational after 18 years of continuous service.

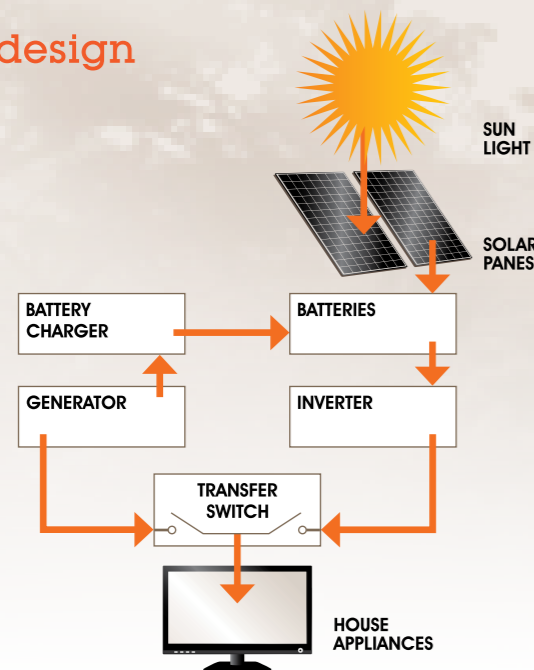
## Weathers the Storm

The highly corrosive marine environment is very unforgiving. Latronics® Inverters are best suited due to their robust construction using powder coated aluminium casings and various stainless steel fittings. The circuit boards are all positioned vertically to minimise the effects of moisture residue. Optional conformal-coating of the circuit boards to Mil Spec MIL-1-46058C is available, which further reduces the effects of salt spray on electronic components.

## Reliability down the road

Latronics® has a range of customisation options to suit any camping and caravan setup, including: mounting brackets, vibration proofing (ruggedisation), conformal coating and other customer specific modifications.

## System design



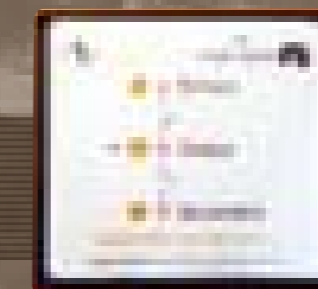
# Whatever your setup, insist on the Latronics range of products



## RCD PROTECTION

## No compromise on safety

The Latronics® RCD provides additional protection, ideal for mining, mobile and industrial applications. This protection is simply not available on most imported inverters. Available as an inbuilt option on selected Latronics® inverter models.



## AUTOMATIC AC TRANSFER SWITCH 25AMP 3WAY / 40AMP 2WAY

## Hassle free AC switching

With the Latronics® Automatic AC Transfer Switch, there's no more manual changeover switch or inconvenient extension leads. What you get is a fool proof, hassle free solution for multiple power source systems. You also get fast input switching (transfer time of less than 1 cycle or 0.02 of a second), ensuring a smooth, transparent transition between power sources. The Latronics® AC Transfer Switch can also be built into selected inverter models.

AVAILABLE IN PANEL OR SURFACE MOUNT FOR EASE OF INSTALLATION.

