

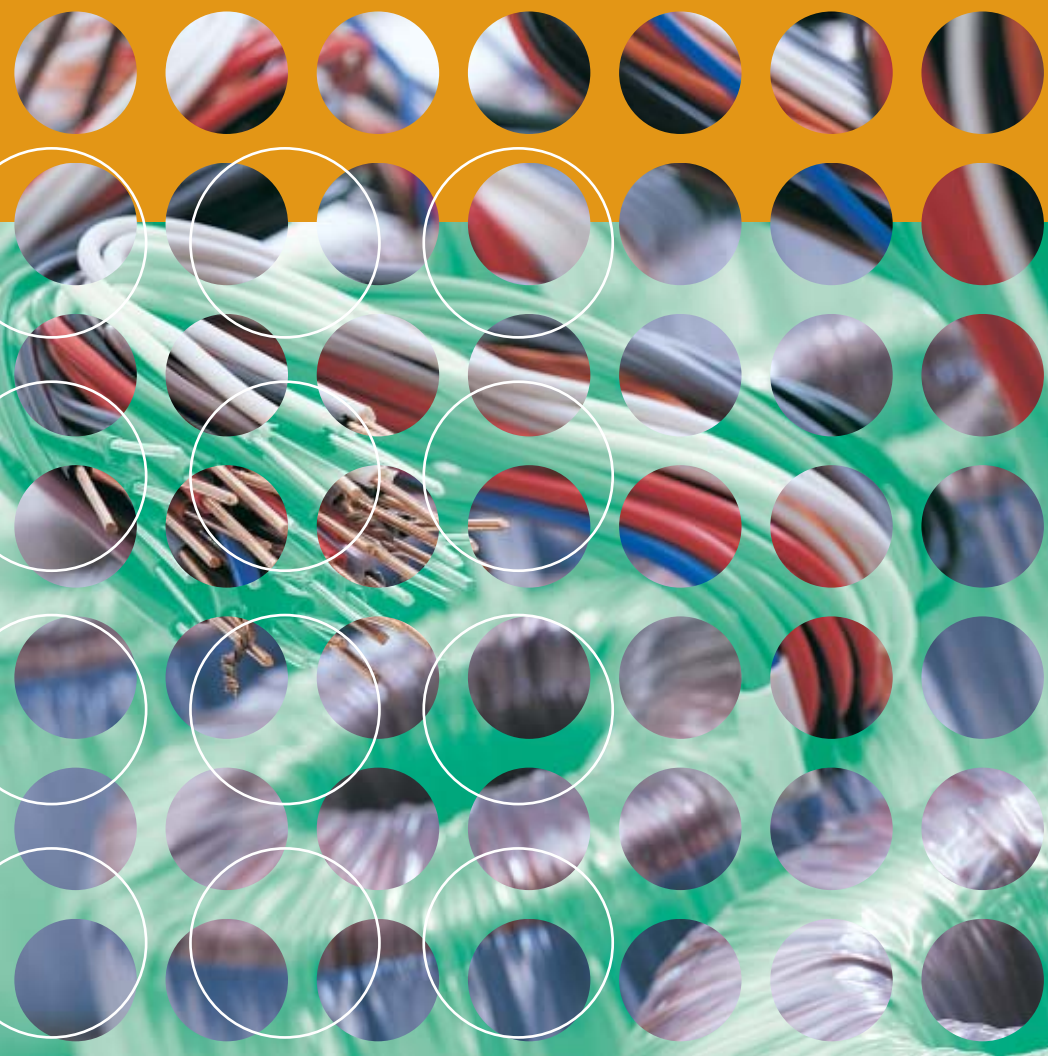
Should the standard range not suit your application custom made units can be manufactured to your requirements.

Available options:

- DC Input voltage- 14V, 32V, 36V, 48V, 72V, 96V, 110V, 120V
- AC Output voltage- 100V, 110V, 220V, 230V, 240V
- AC Output frequency-50Hz, 60Hz
- RCD Earth leakage protection
- Static Bypass switch for UPS applications
- Alarm output
- International power outlets available
- Inhouse EMC testing facilities ensure compliance to international standards.

**MANUFACTURERS WITH A DIFFERENCE**

Contact us for an efficient and cost effective solution.



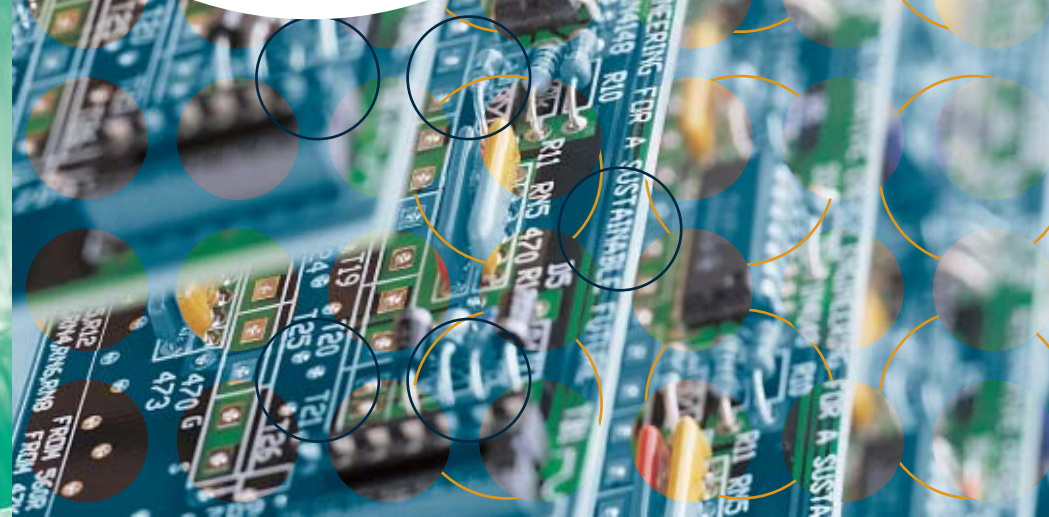
[www.latronics.com](http://www.latronics.com)

LATRONIC SUNPOWER PTY LTD. CALOUNDRA QLD. 4551 ABN 97 010 707 169



Latronics® is the largest Australian manufacturer of inverters utilizing renewable energy sources in the manufacturing process.

We are constantly striving for improvements that enable our Inverters to continue as the standard against which other Inverters are measured.



**DC-AC SINEWAVE POWER INVERTER**

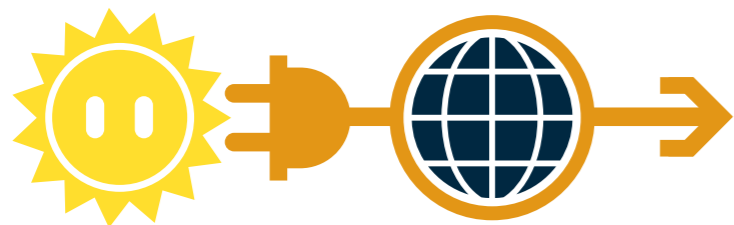
CONNECTED TO A NEW WORLD POWER

100% AUSTRALIAN MADE



PURE CLEAN ENERGY





AT HOME



ON BOARD



ON THE ROAD



INDUSTRIAL



COMMERCIAL



TELECOMMUNICATIONS

## MAINS POWER



## YOUR FINGERTIPS

### HIGH PERFORMANCE

Latronics® Inverters offer a high surge rating to ensure the starting of the most demanding appliances. They also have a generous half hour rating to enable the operation of larger loads for short periods.

### RELIABILITY

Innovative microprocessor monitoring ensures your Inverter is fully protected against overload, AC short circuit and over temperature. High and low DC voltage shutdowns offer further protection for your batteries, allowing trouble free operation.

### AUTOSTART

Sophisticated sensing circuitry automatically switches the inverter ON and OFF with applied appliances. The Autostart is an important feature as it maximises valuable battery capacity. Sensitivity of the Autostart can be easily adjusted to start small appliances or run continuously.

### DURABLE CONSTRUCTION

Latronics® Inverters are a quality industrial product made to withstand vibration and constant movement in mobile or marine installations as well as the diverse range of home or commercial applications.

### OPERATION MODES

Latronics® Inverters mode of operation is continuously displayed on the front panel by the four LED indicators. On/Standby, Overtemp/Overload, Overvolts, Under volts.

### AUTOMATIC RESET

When the Inverter is operating unattended it may be necessary to ensure the continuity of supply. The Automatic Reset feature (when enabled) will attempt to restart the Inverter every eight minutes should a fault condition cause the inverter to shutdown. This feature can be turned ON or OFF, depending on system requirements.

### MOUNTING BRACKETS (OPTION)

In many mobile, marine, or industrial applications the Inverter may need to be fixed securely into position. Ready made mounting brackets are available for wall mount or 19" rack mount

## TECHNICAL SPECIFICATIONS RATINGS AT 25 °C AMBIENT, NOMINAL BATTERY VOLTAGE AND UNITY POWER FACTOR

MODEL	47•BKZ•12	412•BKZ•12	518•BKZ•12	48•BKZ•24	415•BKZ•24	525•BKZ•24	530•BKZ•24	530•BKZ•48
NOMINAL BATTERY VOLTAGE	12 V	12 V	12 V	24 V	24 V	24 V	24 V	48 V
CONTINUOUS RATING	700 W	1300 W	1800 W	800 W	1600 W	2500 W	3000 W	3000 W
CONTINUOUS RATING 40 DEG	600 W	1200 W	1600 W	700 W	1500 W	2300 W	2700 W	2700 W
1/2 HOUR RATING	950 W	1600 W	2000 W	1050 W	2100 W	3100 W	3700 W	3700 W
SURGE - 5 SECONDS	2800 W	4000 W	5500 W	3200 W	5000 W	7500 W	9000 W	9000 W
BATTERY VOLTAGE RANGE	10.5 - 17 V	10.5 - 17 V	10.5 - 17 V	21 - 34 V	21 - 34 V	21 - 34 V	21 - 34 V	42 - 68 V
INSTANTANEOUS SHUTDOWN	9 V	9 V	9 V	18 V	18 V	18 V	18 V	36 V
PEAK EFFICIENCY	90%	91%	90%	92%	94%	94%	93%	95%
STANDBY CURRENT	40 mA	50 mA	60 mA	25 mA	30 mA	35 mA	40 mA	35 mA
INVERTER ON - NO LOAD	0.56 A	0.85 A	1.1 A	0.36 A	0.45 A	0.54 A	0.59 A	0.38 A
SERIES	4 Series	4 Series	5 Series	4 Series	4 Series	5 Series	5 Series	5 Series
WEIGHT	10 Kg	13 Kg	22 Kg	10 Kg	14 Kg	22 Kg	24 Kg	24 Kg
DIMENSIONS	4 Series - 310 mm [L] x 260 mm [W] x 145 mm [H]			5 Series - 380 mm [L] x 400 mm [W] x 180 mm [H]				
AUTO START SENSITIVITY	0 - 20 W ADJUSTABLE							
OUTPUT FREQUENCY	50Hz +/-0.02%							
OUTPUT WAVE SHAPE	TRUE SINEWAVE							
TOTAL HARMONIC DISTORTION	<4%							
OUTPUT VOLTAGE <small>NO LOAD TO FULL LOAD</small>	240 V +/- 4%							
INPUT/OUTPUT ISOLATION <small>AC - DC</small>	3500 V							
OPERATING TEMPERATURES	-10°C TO +50°C							
POWER FACTOR	ALL CONDITIONS							
PROTECTION CIRCUITRY	OVERTEMPERATURE OVERLOAD / SHORTCIRCUIT BATTERY UNDERVOLTAGE BATTERY OVERVOLTAGE					INTERNATIONAL OUTLETS AVAILABLE - All Models 		
BATTERY LEADS	1.5m LONG WITH 10mm MOUNTING LUG							
DC ISOLATION	THERMAL / MAGNETIC CIRCUIT BREAKER							
OUTPUT WIRING	DUAL SWITCHED GPO / JUNCTION BOX ON REAR							
CHASSIS	POWDER COATED 3mm ALUMINIUM							
WARRANTY	3 YEARS PARTS AND LABOUR							
STANDARDS	AS2279 AS3000 AS3001 EN55014 EN50082-1 IEC1000.4-2 IEC1000.4-4 IEC1000.4-5 IEC1000.4-6							