Prosine Pure Sine Wave Inverters

- Delivers pure sine wave output.
- Removable LCD remote control panel for inverter control and status.
- Easy to use Powersave mode for low stand-by current.
- Two AC output configurations:
  - Basic hardwire with Australia 3 pin plug.
  - Seamless AC automatic transfer switch.
- Advanced cooling design to ensure maximum efficiency.
- 1000 watts or 1800 watts of constant power rated at 40° Celsius.
- Two year warranty

Designed for recreational, industrial and back up power applications, Prosine produces clean, true sine wave AC power from DC battery power. Its 230-volt, 50-Hertz AC power output is capable of handling both heavy duty AC loads and smaller, multiple AC loads.

Light & Compact.

Prosine is lighter and more compact than other inverters with similar power ratings because it uses high-frequency switching technology in the power conversion process. The power ratings of Prosine are taken at 40° Celsius, and this coupled with the unique cooling tunnel design means the heat is quickly removed from the unit. This design helps Prosine to provide power for loads up to 50% greater than its constant output.

Innovative Features.

Prosine features a standard removable LCD remote control panel. This panel can be located anywhere you choose & provides status information such as battery voltage, DC amperage being consumed and the AC wattage of your appliances. More importantly it provides an on/off switch to completely shutdown the unit when not in use (zero amperage drain on battery).

The DC battery cable connection points are 8mm bolt posts that allows for DC cable connection of any size battery cable in a 180° rotation – Remember: Battery cables are the lifeline to your inverter. The bigger the better.

One great feature of Prosine is the seamless AC automatic transfer switch (optional). This allows for easy installation into your onboard AC system, and for seamless transition between your mains / generator power and inverter power. The transfer versions are becoming the most popular models to use.

Powersave Mode.

All inverters use DC power while not being used, and Prosine can easily be switched into powersave mode (by the remote control panel), which drops the stand by current to less than .1 of an amp. Power is restored if you turn an appliance on (2.5 second search mode), or simply switch the inverter back into normal power mode, with a stand by current of around .75 amps.

Electrical Specifications		
Models	**Prosine 1000i**	**Prosine 1800i**
Output power @ 40°C	1000 watts	1800 watts
Surge rating	1500 watts	2900 watts
Peak output surge	2530 watts	4600 watts
Output voltage (over full load and battery voltage range)	230 VAC RMS +4%, -10%	230 VAC RMS +4%, -10%
Output frequency	50 Hz +/- 0.05 (crystal controlled)	50 Hz +/- 0.05 (crystal controlled)
Output waveform	True sine wave (<3% THD)	True sine wave (<3% THD)
Peak efficiency	90%	90%
No load power draw (search mode)	<1.5 W	<1.5 W
No load power draw (idle mode)	<2.2 W	<2.2W
Input voltage range (12V/24V)	10 - 16 VDC / 20 - 32 VDC	10 - 16 VDC / 20 - 32 VDC
Transfer time AC to inverter and inverter to AC	Max 2 cycles (typically 1 cycle) <2.5 seconds with Powersave "ON"	

General Specifications		
Operating temperature range	0°C to 60°C	0°C to 60°C
Storage temperature range	-30°C to 70°C	-30°C to 70°C
LCD display panel	Removable; can be mounted remotely with standard telephone cable	
Dimensions (HxWxL)	115 x 280 x 390 mm	115 x 280 x 390 mm
Weight	7.0 kg	7.5 kg
Warranty	Two years	Two years

Regulatory Approvals

CE Mark - Low Voltage Directive (EN50091-1), **EMC** Directive (EN50091-2)
e-Mark - Automotive EMC Directive 95/54/EC

Supplier No. N13018

Note : Specifications subject to change without notice.

PREMIUM PURE SINE WAVE INVERTERS