

# one cool inverter.



Look at these great installer friendly features...

- DC and AC isolating switches.
- Lowest operating voltage range, starting at 120V for our 3.0kW unit. Allowing you to install with minimal panel array for the budget conscious.
- Lightest weight inverters in our range, starting at just 14kg.
- Built in Wi-Fi and stats package.
- 5 year warranty.
- Easy upgrade path to larger units, changing only the main module. Re-use the back mount, control panel and all wiring.
- Front mounted heat sink allows more airflow, easy care and cleaning.
- A more efficient design adding longer life, less call outs.

## 3.0kW Grid Tied Solar Inverter.

Made in New Zealand.

[www.enasolar.net](http://www.enasolar.net)



ENASOLAR

# EnaSolar 3.0kW Grid Tied Solar Inverter

## Specifications

<b>Input</b>	
Maximum Open Circuit Voltage (Voc):	600V DC
MPP Operating Voltage Range (Vmpp):	120-500V DC
DC Nominal Operating Voltage:	380V DC
Maximum Input Current (Impp):	15A
Maximum Input Power (Pmax):	3200Wp
Reverse Polarity Protection:	Inherent crowbar diodes.
Isolation From AC Mains:	High frequency transformer.
Earthing:	Isolated, +ve earth, -ve earth selectable.
<b>Output</b>	
Nominal Output Voltage:	230V AC
Output Voltage Range:	202-259V AC
Max Output Current:	15A
Line Frequency:	50Hz
Total Harmonic Distortion:	<5% at full load, nominal output voltage.
Max Efficiency:	>96.5%
Max Euro Efficiency:	>94.5%
Nominal Output Power:	3000W
Maximum Output Power:	3100W
Power Factor:	>0.98
<b>System</b>	
Islanding Protection:	AS4777.3, G83/1
Night-time Consumption:	<1.2W
Inbuilt lightning surge protection.	
integrated lockable DC and AC disconnect.	
Integrated wiring box with removable inverter module.	
Operating Temperature Range:	-30°C to +50°C (at V AC nom), +70°C (derated)
Acoustic Noise:	<33dBa @ 1m.
Display:	4 line x 16 character. (no buttons)
Data Interface:	Wi-Fi IEEE 802.11 with web interface.
Environmental Rating:	IP55
Mechanical:	330mm x 550mm x 145mm. (excluding antenna) 15kg
<b>Standards:</b>	
EN61000-6-3:	"Emission standard for residential, commercial and light industrial environments", class B
EN61000-6-1:	"Immunity for residential, commercial and light-industrial environments"
EN61000-3-2:	"Limits for harmonic current emissions"
EN61000-3-3:	"Limitations for voltage fluctuations and flicker"
EN62233:	"Electromagnetic fields for household appliances"
AS4777-2, AS4777-3:	"Grid connection of energy systems via inverters"
G83/1:	"Recommendations for small scale embedded generators"
AS/NZ3100:	"Electrical safety"
BS50178:	"Electrical safety"
C-Tick, CE:	Declarations

### Distributed by:

Attach your contact  
details here.



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