



## IM Series 1.5kVA Inverter

### Power Parity

1.5kVA  
MAX

110V<sub>AC</sub>  
OUT

220V<sub>AC</sub>  
OUT

Efficient and reliable, these modular rack-mount inverters allow for easy paralleling of modules to provide redundancy or higher power outputs. Designed for use in modern telecommunications networks, these inverters offer unrivalled power densities.

The design allows for the mounting of two inverters in a 1U x 19" rack space and will communicate with an SM series supervisory module for system level monitoring and control.

It's 'plug and play' ability allows quick and easy installation and system expansion. These robust, reliable inverters are forced-air cooled by two speed controlled and monitored high-reliability fans.

#### KEY FEATURES

- Pure sine wave
- Hot-swappable
- High-efficiency
- Smart fan speed control
- Wide temperature range
- DSP chip designed
- N+X redundancy system
- Lower audible noise
- High power density
- Enatel RCP bus
- CE & RoHS compliant



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## Specifications

### DC INPUT

Operating Voltage Range: 40.5–58V DC

### AC INPUT

	IM15230-48	IM15110-48
Input Voltage Range:	176–276V AC	89–138V AC
Over Voltage Threshold:	276V AC	138V AC
Under Voltage Threshold:	176V AC	89V AC
Transfer Time:	10ms	10ms

### AC OUTPUT

	IM15230-48	IM15110-48
Nominal Output Voltage:	230V AC	120V AC
Nominal Output Power:	1500VA 1200W	1500VA 1200W
Output Voltage Range:	208–240V AC	110–120V AC
Peak Efficiency:		90.0%
Overload (5 seconds):		2000VA

### ENVIRONMENTAL REQUIREMENTS

Ambient Temperature: -40°C to +60°C (derated to +70°C)

### MECHANICAL

Dimensions (W, H, D):	215.0mm, 44.45mm (1U), 270.0mm
Weight:	2.50kg
Cooling:	Forced-air cooled (front to back airflow)

### COMPLIANCES

Safety:	EN60950
Immunity:	CISPR24
Emissions:	CISPR22
AC Harmonics:	EN61000-3-2
AC Flicker and Fluctuation:	EN61000-3-3
Other:	CE & RoHS compliant



Contact Enatel for datasheets and characterization details. Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.

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A division of [www.enatel.net](http://www.enatel.net) | [sales@enatelenergy.com](mailto:sales@enatelenergy.com) | Ph: +64-3-366 4550