

IM Series Modular Inverters

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 unique design allows for mounting nine inverters in a 5U x 19" rack space or two inverters in a 1U x 19" rack space.

"Plug and Play" installation allows quick and easy installation and system expansion. These robust, reliable inverters are forced cooled by two speed controlled and monitored high reliability fans.

- Pure sine wave.
- Hot swappable.
- High efficiency.
- Smart fan speed control.
- Wide operation temperature range.
- DSP chip designed.
- N+X redundancy system.
- Lower audible noise.
- High power density.
- Enatel RCP bus.
- 48V DC telecom system application.
- CE & RoHS compliant.



Specifications

DC Input	
Operating Voltage Range:	40.5-58V DC
AC Output	
Nominal Output Voltage:	110/230V AC (see below for model numbers)
Output Voltage Range:	110/115/120V AC or 208/220/230/240V AC
Output Voltage Tolerance:	+/- 2%
Output Voltage Frequency:	50/60Hz selectable
Output Frequency Tolerance:	+/- 0.5%
Total Harmonic Distortion:	<3% on linear loads <5% for non linear loads
Turn On Delay:	<3 seconds
Crest Factor:	3:1 (nominal power)
Efficiency:	90%



Output Power	
Nominal Value:	1500VA
Overload (5 Seconds):	2000VA
Permanent Overload:	10%
Admissible Load Power Factor:	0 inductive to 0 capacitive (100% load)
Isolation:	
Input/Output:	2500V AC
Output/Earth:	2500V AC
Input Earth:	1500V AC
Operating Temperature Range:	-40°C to +50°C, derated to +70°C
Acoustic Noise:	<55dBa @ 1m
Display:	3x LEDs, fail, off normal, power on
Serial Comms:	Enatel SBI interface to SM3X supervisory module

Mechanical	
Dimensions, W, H, D:	215mm, 43.8mm, 270mm overall
Weight:	2.5kg
Shipping Dimensions W, H, D:	52mm, 230mm, 340mm
Shipping Weight:	2.65kg
Cooling:	Forced cooled

Compliances	
Immunity:	CISPR24
Emissions:	CISPR22 Class B
Safety:	IEC60950
Other:	CE & RoHS compliant

Part Numbers:	Generic part numbers shown below. Actual part numbers will vary with configuration.
IM10230-48:	1U, 48V DC input, 230V AC output, 1KvA 800W
IM10110-48:	1U, 48V DC input, 120V AC output, 1KvA 800W
IM15230-48:	1U, 48V DC input, 230V AC output, 1.5KvA 1200W
IM15110-48:	1U, 48V DC input, 120V AC output, 1.5KvA 1200W