



Standalone Inverter

INV-R 1000VA

PRODUCT DESCRIPTION

The INV-R is a standalone, pure sine wave inverter, utilising the latest inverter technology to provide superior energy efficiency to meet the demands of telecommunications as well as IT management, automation and networking applications.

INV-R is designed for full front access. The DC input termination, AC output socket (protected with 5A fuse) and signal connections are located on the front panel.

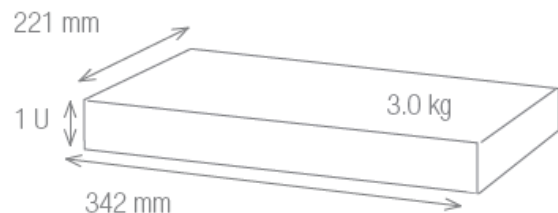
KEY FEATURES

- **Cost Effective Solution**
- **Easy Installation**
Small and lightweight
- **Compact Design**
High power density
- **High Efficiency**
Peak efficiency @ > 91%
- **Wide Operating Temperature Range**
Up to 65 degrees C
- **Short Depth Design 300mm Rack Integration**
Allows more flexibility in local integration
- **Safety Protection**
Reverse current and short circuit protection

APPLICATIONS

All business-critical applications and all types of AC loads, including but not limited to:

- Telecommunications
- Computer Peripherals
- IT Equipment
- Automation and Networking



TECHNICAL SPECIFICATIONS

MODEL	INV-R 1000VA
Capacity (VA/W)	1000VA / 800W
DC INPUT	
Nominal Input Voltage	48Vdc
input Voltage Range	40-60Vdc
Nominal Input Current (@ 800W/48V)	19A
Max Input Current (for 15s) / Voltage Ripple	28A / 2mV psopho @ 48V - 80% load
AC OUTPUT	
Nominal Output Power (VA/W)	1000VA / 800W
Short time Overload Capacity	150% (15s) within T ^o range
Admissible Load Factor	0 lagging to 0 leading
Nominal AC Voltage	230Vac
Frequency / Frequency Accuracy	50Hz +/- 0.1% or 60Hz +/- 0.1% (different part number)
Total Harmonic Distortion (resistive load)	< 3%
Turn On Delay	20 s
Nominal Current	4.35A @ 230Vac
Crest Factor @ Nominal Power	2.5 : 1
Protections	Short circuit management & protection, protection against reverse current
SIGNALING AND SUPERVISION	
Display	Front LED
Alarms Ouptut / Supervision	Dry Contact on the front
Remote On/Off	On the front
STANDARD COMPLIANCES	
Safety	IEC 60950 / IEC 62040-1
EMC	ETS 300 386-2 : 2mV
	EN 55022 Class A Radiated and Conducted
	ETS 300 312-2 : Product Standard
	IEC 61000-3-2 Harmonic Current Class A
	EN 61000-4-2 ESD Criteria A - 15kV Air and 8kV Contact
	EN 61000-4-3 RF Field - Enclosure Port Criteria A : 10V/m
	EN 61000-4-4 Burst - All Ports Criteria A : 2kV
	EN 61000-4-5 Surge Criteria B all Ports
EN 61000-4-6 Class A Criteria A 10V	
GENERAL	
Cooling	Forced Cooling with Fan Speed Control
MTBF	200,000hrs
Peak Efficiency (DC/AC)	91%
Dielectric Strength (DC/AC)	4300Vdc
RoHS	Compliant
Vibration	GR63 Office Vibration 0-100Hz - 0.1g
	Transport Vibration 5-100Hz - 0.5g, 100-500Hz 1.5g
	Drop Test
Altitude above Sea without de-rating	< 1500m / derating > 1500m - 0.8% per 100m
Ambient / storage temperature / relative humidity	-20 to 65°C / -40 to 70°C / 95% non-condensing
	Derating from 50°C to 65°C
Material (Casing)	Coated Steel
Dimensions (WxDxH)	342 x 221 x 44.45 mm
Weight (kg)	3.0kg