

e-one 350 VA



**e-one, stand-alone inverters a step forward!
Incredible compactness and reliability, while protecting loads and batteries.**

☎ Telecom 🗄️ Datacom ❓ Others



Main Features:

e-one is a stand-alone inverter capable of converting a 48 VDC power source into a pure sine wave of 230 VAC at 50 Hz. This inverter can deliver 350 VA / 300 W while operating from -20 to 65°C. e-one can be easily rack, wall or desk-mounted.

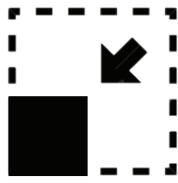
Best in-class solution?

With dimensions of 1U x 230 mm x 165 mm, this very small inverter occupies just 1,600 cm³.

e-one provides a perfect AC output (pure sine wave) that lets your **critical loads to work their best**

We also guarantee a very low ripple voltage compliant with the telecom standard. In practical terms, this means almost no disturbances reach your DC load or **batteries**; a great benefit as disturbances considerably reduce battery life.

Finally, regarding **reliability**, the e-one inverter is based on our Y-One inverter which has an incredibly low failure rate.



Applications

e-one is the ideal solution for powering and securing telecommunication equipment (5G, WiFi repeaters, supervision, maintenance, cooling, security and access for base stations, etc.) and many others (CCTV cameras for traffic control system, police radio network, etc.).

Illustrations are non-binding and may include customized fittings.

General	
Cooling	Natural Cooling
MTBF	200 000 hrs
Peak Efficiency DC/AC	91%
Dielectric strength DC/AC	4300 Vdc
RoHS	Compliant
Vibration	GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Drop test
Altitude above sea without de-rating	< 1500 m / derating > 1500 m – 0.8 % per 100 m
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)	Aluminium & Coated steel

Power	
AC Output Power	
Nominal Output power (VA) / (W)	350 VA / 300 W
Short time overload capacity	150 % (15 seconds) within T° range
Admissible load power factor	0 lagging to 0 leading
DC Input Specifications	
Nominal voltage (DC)	48 V
Voltage range (DC)	40 - 60 V
Nominal current at 300 W / 48 VDC	6.86 A
Maximum input current (for 15 seconds)	11 A
Voltage ripple	2 mV psopho @ 48 V - 80% LOAD
AC Output Specifications	
Nominal voltage (AC)	230 V
Frequency / frequency accuracy	50 Hz / ± 0.1%
Total harmonic distortion (resistive load)	< 3 %
Turn on delay	20 s
Nominal current. Protected against reverse current	1.6 A at 230 VAC
Crest factor at nominal power	3 : 1
With short circuit management and protection	> 2.6 A (2xIn) for 15 s and then no output power from module

Signaling & Supervision	
Display	Front LED
Alarms output / supervision	Dry contact on the rear
Remote ON / OFF	On the rear (Option)

Standard Compliances	
Standards	IEC60950
	ETS 300 386 – 2 : 2mV
	EN 55022 Class A Radiated and Conducted
	ETS 300 132 – 2 : Product Standard
	IEC 61000-3-2 harmonic current class A
	EN61000-4-2 ESD criteria A - 15 kV Air and 8 kV contact
	EN61000-4-3 RF Field – Enclosure Port criteria A : 10 V/m
	EN61000-4-4 Burst - All ports criteria A : 2kV
	EN61000-4-5 Surge criteria B all ports
	EN61000-4-6 class A criteria A 10V

Accessories: Holding shelf for 19" cabinet (maximum two inverter module).

