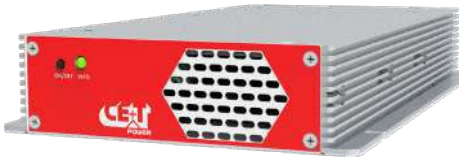
Leading Conversion Technology for Power Resilience

e-one 3 - 48/230



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

Telecom Datacom Others

DC In 48 Vdc

AC Out 230 Vac

Power 350 VA 300 W

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 output power of 350 VA / 300 W and operates from -20°C 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.).

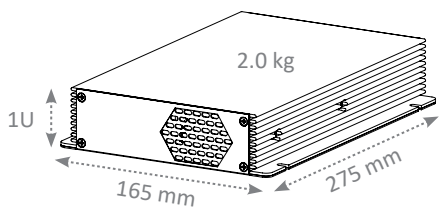
Illustrations are non-binding and may include customized fittings.

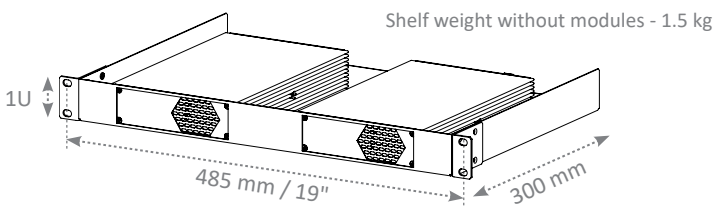
ALPHA OUTBACK ENERGY

e-one 3 - 48/230

General	
Part Number	T551730111
Cooling	Natural Cooling
MTBF	620 000 hrs
Peak Efficiency DC/AC	> 90%
Dielectric strength DC/AC	3800 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 / de-rating > 1500 m – 0.8 % per 100 m
Ambient / storage temperature / relative humidity	-20 to 65° C / -40 to 70° C / 95 %, non-condensing De-rating from 45° 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	7 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 / ± 0.2%
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	2.5 : 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
Standard Compliances	
Standards	IEC62040-1
	ETS 300 386 – 2 : 2 mV
	EN 55022 / 55032 Class A Radiated and Conducted
	ETS 300 132 – 2 : Product Standard
	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 conducted RF criteria A 10V
	EN61000-4-8 PFMF criteria A 30 A/m

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





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