



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

☎ Telecom 📶 Datacom ❓ Others

| | | |
|--|--|---|
|  <p>DC In 48 Vdc</p> |  <p>AC Out 230 Vac</p> |  <p>Power 350 VA 300 W</p> |
|--|--|---|

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.

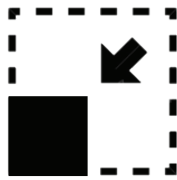
Best in-class solution?

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.

e-one 3 - 48/230

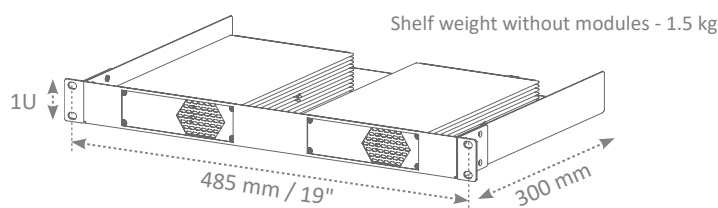
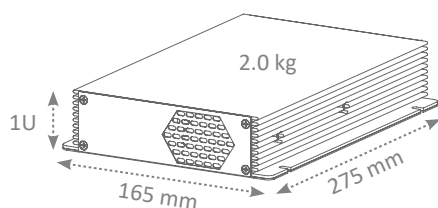
| General | |
|---|--|
| Part Number | T551730111 |
| Cooling | Natural Cooling |
| MTBF | 620 000 hrs |
| Peak Efficiency DC/AC | > 90% |
| Dielectric strength DC/AC | 3800 Vdc |
| RoHS | Compliant |
| Vibration | GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 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).



e-one 3 - 48/230 - Datasheet - v1.3 Specifications can change without notice. New data will be updated on our Web site: www.cet-power.com.
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