



ELDRIVE AS

# dc360

DC-DC CONVERTER



The DC - 360 C supplies a constant voltage to the load independent of variation on battery voltage.

The converter is specially designed to supply power for light equipment

The device is equipped with a solid input transient filter, feeding the switching elements working at an optimum frequency of 170 kHz. On the output side resides an output filter for smooth and EMC-friendly operation, as well as a 15V crow-bar and short-circuit protection - all for the benefit of equipment being attached to the 12V output.

The DC - 150 supplies a constant voltage to the load independent of variation on battery voltage. The converter is specially designed to supply power for light equipment.

*Technical data:*

**Input voltage:** 24V / 36V / 48V

**Output voltage:** 12V DC from 1A to 26A

**Load regulation:** 8% from 1A to 26A

**Line regulation:** 5% down from 55V to 18V

**Output current:** 26A continuous at input voltage above 28V. 12A continuous at input voltages 18V to 28V

**Protection:** Input voltage protection

- Against reversed polarity
- Against input voltage-transients up to 250V (Damping factor 50db)
- Against output shortcircuit

**Crowbar level:** At 15V output level

**Dynamic performance:** At load increasing from 10% to 90%, and at load decreasing from 90% to 0%, the voltage will not vary more than  $\pm 1V$

**Ambient temperature:** 20 deg.C to +70 deg.C

**MTBF:** 46380 hours based on "parts count" MILSTD217D

**Enclosure:** Moulded

**Bottom plate:** Anodized aluminium

**Dimensions:** 150 x 200 x 48 mm

**Weight:** 2 kg / 4 lbs

*For further information, please contact:*

**ELDRIVE AS**

PoBox 63

N-1501 MOSS

NORWAY

<http://www.eldrive.no/>

Tel: +47 69249800

Fax: +47 69249850

[sales@eldrive.no](mailto:sales@eldrive.no)