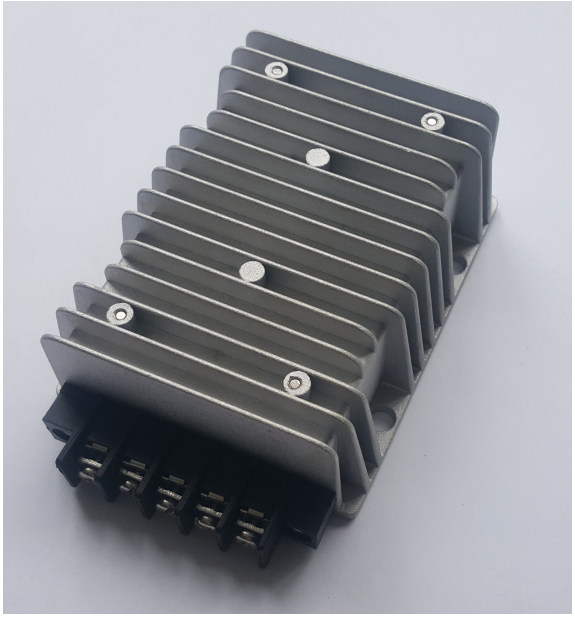
Cablemedia.pl

XS-350 48V/12V

Isolated DC/DC Converter

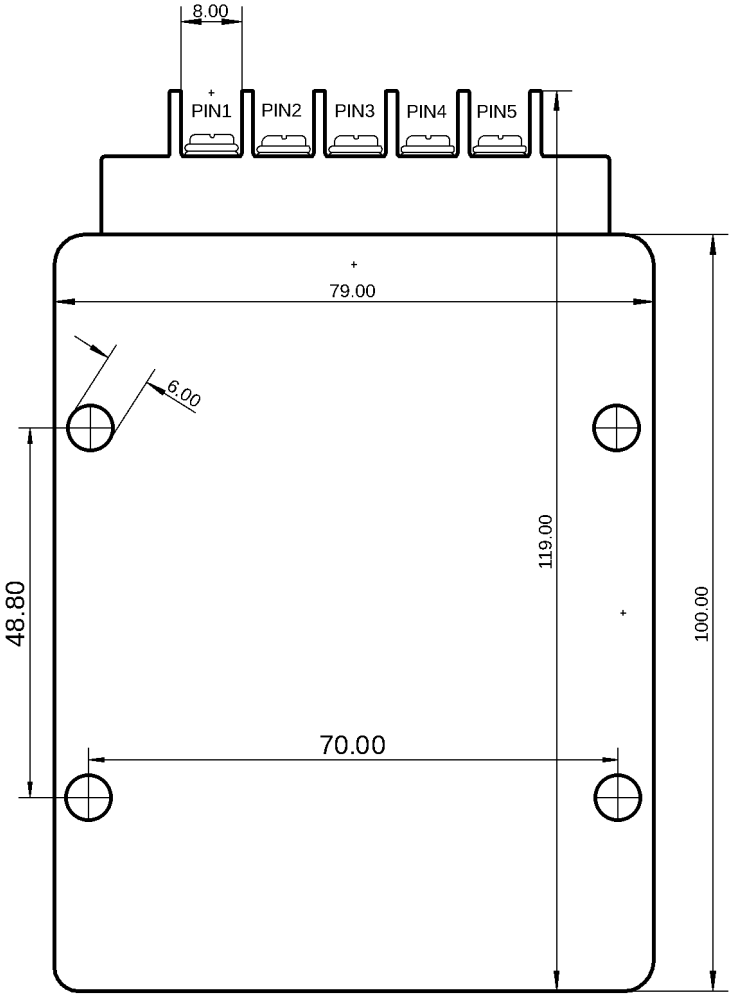
Features



- Input voltage range 36-72V, 48V nominal
- Idle current <150mA
- Output voltage 12V
- Thermal protection 120°C
- Output voltage stability <1%
- Output voltage tolerance <1%
- Efficiency up to 93%
- Isolation 1500V
- Under-voltage protection @ 36V, over-voltage protection @ 14.5V, and short-circuit protection @ 35A
- Device operation control NPN activation Ictrl 1mA @ 0.8V
- No electrolytic capacitors - high longevity
- Nominal output current 30A, minimum 0A, maximum 35A
- Output voltage ripple <100mV
- Compliance with CE Standards, 97/24/EC-C08, EN1175
- Possibility of series connection to achieve higher output voltage, e.g., 24V @ 30A
- Maximum output capacitance 10000uF
- RoHS-6 class assembly
- Device encapsulated with elevated IP68 tightness class - not applicable to power connector
- Dimensions 120x79x40 length/width/height

Applications

- Fiber optic networks, Wi-fi networks, POE
- Automation
- Access control systems
- Monitoring
- Lighting
- Telemetric applications
- Intercoms
- Alarms
- Buffer systems



PINOUT:
1 - Vout

2 + Vout

3 – Vin (48V)

4 - ctrl (-Vin for activation)

5 + Vin(48V)

Top view from the radiator side.
After printing at 100% scale,
the drawing can serve as a template for assembly.
Recommended mounting: 4x M5.
All dimensions on the drawing are given in millimeters.

The mounting should position the power connector on the side of the device to allow proper gravitational cooling of the housing - radiator. Otherwise, for full power and ambient temperatures above 40 degrees, forced mechanical cooling should be provided.

Due to high currents, attention should be paid to appropriate wire diameters, especially on the output side.