

ASUC-50-AD0-OF

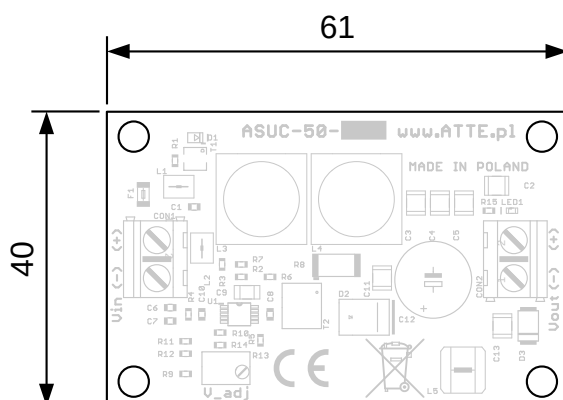
DC / DC step-up converter

12...48V 50W built-in module

INSTRUCTION MANUAL

ASUC-50-AD0-OF is a high-performance, non-isolated DC/DC step - down converter. The converter allows operation in a wide range of input voltages and has a precision adjusted 12...48 VDC output voltage. Typical application of the module is 48 VDC PoE supply voltage generation from 12 VDC or 24 VDC buffer power supply.

The open frame (OF) construction allows the device to be installed in any suitable third party housing. It is highly recommended however to use our dedicated ABOX series enclosures that come with a pre-drilled backplate (4,8mm diameter, pitch 10,8mm) allowing both horizontal and vertical installation.



General view of the device

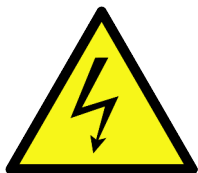
Technical Specification

Output Voltage	12 ... 48 VDC
Output Power	50 W @12V
Efficiency	93% @Vin = 12 V, Pout = 50 W
Power Supply Voltage	10 ... 30 VDC
Idle Current	27 mA @12V
Indication	LED1 - output voltage
Housing Construction	Open frame module
Assembly	Snap-on spacers, mounting holes in 10.8 mm pitch
Operating Temperature	-25 ... +50°C
Dimensions	40 x 61 x 16 mm
Weight	0,03 kg

Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

WARNING



Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

Installation

- Mount the device in the selected location and connect the connecting wires.
- Connect power supply wires to Vin terminals.
- Turn on power supply.
- If necessary adjust output voltage using potentiometer V_{adj}.
- Connect output terminals V_{out} to load.

Operation Indication

- The presence of the output voltage is indicated by a red LED.

WEEE MARKING



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

