

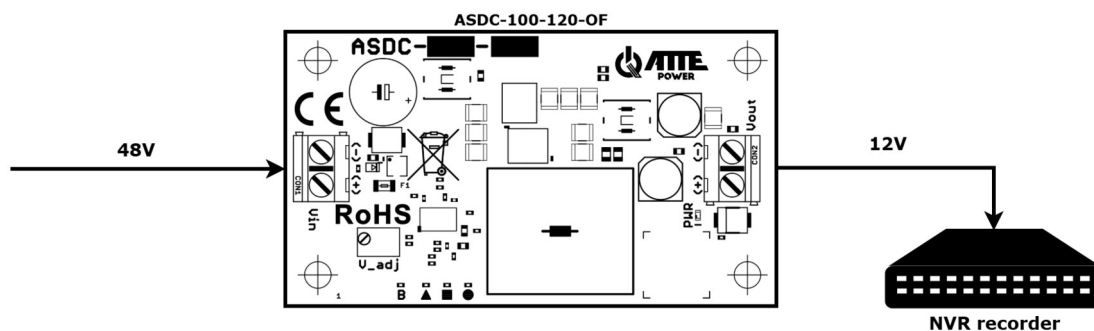
- **LED PWR** (red) – signalling voltage at the converter output

Instruction manual

ASDC-100-120-OF

Step-down voltage converter with output
12VDC, 8A, 100W

Basic application



Description

ASDC-100-120-OF is a DC/DC step-down converter. The device has an output voltage of 12V.

The module allows you to power devices with a rated voltage of 12V, such as IP cameras or NVR recorders.

The OF (Open Frame) design allows the device to be installed in any enclosure, but the most convenient way to mount it is to use dedicated ABOX series enclosures and mounting plates equipped with 10.8mm grid system holes.

Installation

1. Install the device in the selected location and bring in the connecting cables.
2. Connect the power cables to the Vin terminals of the screw terminal block.
3. Connect the powered device to the Vout terminals of the screw terminal block.
4. Switch on the power supply.

Troubleshooting

Q1. „PWR” LED is not lit.

A1. PWR LED indicates the output voltage at the Vout screw terminal.

If the LED is not illuminated, then:

1. Check that the power supply to the modules has the correct polarity.
2. Ensure that the supply voltage is within the range of 16V to 56V.
3. If the correct voltage and correct polarity of the wires are present, please use a voltmeter to measure whether voltage is present at the Vout connectors.
4. If the above suggestions do not solve the problem, please contact our technical support department (tel. no.: +48 12 378 94 02).

Technical Specification

Output voltage	12VDC
Input voltage	16...56VDC
Efficiency	92% @Vin=55V, Iout=8A 92% @Vin=24V, Iout=8A
Maximum power	100W
Maximum current	8A
Converter idle current	26mA @48V
Protection	Surge protection Overload protection
Operation indication	LED PWR - signalling voltage at the converter output
Housing Construction	None - built-in module (Open Frame)
Assembly	Snap-on distance plugs, mounting holes in 10.8 mm grid
Operating Temperature	-25 ... +65°C
Dimensions	74 x 42 x 18 mm
Weight	0,037 kg

Find out more

ASDC-100-120-OF
on the WWW site



ATTE Technical
Support Portal



Safety Precautions

- The device is intended for installation by a qualified installer who has appropriate competences and permits and authorizations (if required for a given country) to connect (interfere with) low-voltage installations.
- The device should be installed indoors. About normal air humidity and temperature. The method of mounting the device and laying the cabling should ensure free air flow. It is recommended to use ABOX series housings, which allow for convenient installation outdoors, indoors and in RACK cabinets.
- For proper operation of the module, appropriate voltage and current capacity of the power source must be ensured.
- Any maintenance operations may only be performed after disconnecting the power supply. Under normal conditions, the device does not require any maintenance.
- In case of damage or doubts as to the correct operation of the device, stop using it immediately.
- In the case of fiber optic devices, do not look into the fiber optic port when the device is turned on. The invisible beam can damage the retina of the eye.
- Before connecting PoE PASSIVE receivers (e.g. WiFi antenna), make sure that the voltage value and polarization on the RJ45 pins of the switch or power adapter are consistent with the values allowed by the receiver.

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

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.

