

APS-90-480-OF

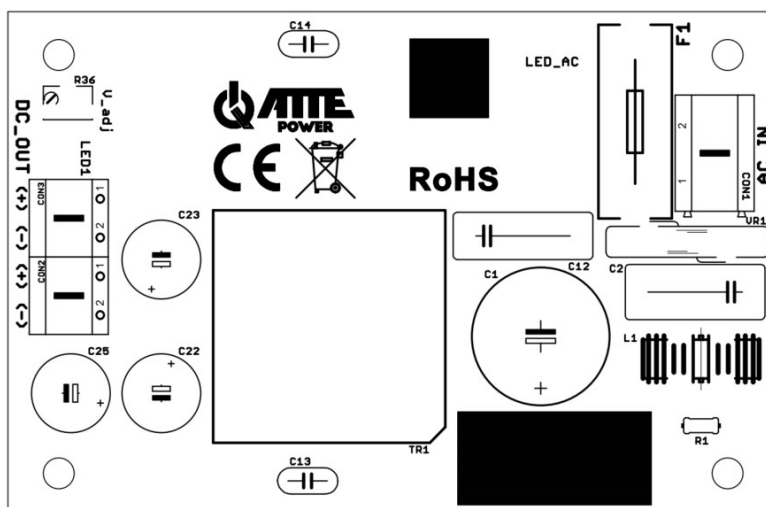
Power supply SMPS 48V Iout 2A Pout 96W

built-in module

INSTRUCTION MANUAL

APS-90-480-OF is a power supply that provides stable DC voltage for demanding electronic devices, including: CCTV cameras, recorders, etc. Thanks to the integration of overvoltage and short-circuit protection, it is especially recommended for operation in monitoring systems that require high power supply reliability. The power supply system is a highly efficient impulse converter that provides isolation between the 230 VAC network and the powered device.

The OF (Open Frame) design allows the device to be installed in any housing, but the most convenient method of installation is dedicated ABOX series housings and mounting plates equipped with system holes in a 10.8 mm pitch. It is compatible with the spacing of mounting holes of built-in modules. The system solution allows for vertical or horizontal installation of selected devices in any perforated part of the housing or mounting plate.



General view of the device

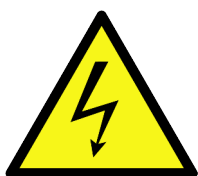
Technical Specification

Output voltage	48 VDC +/-3%
Output current	2 A
Power supply power	96 W
Efficiency	93% @90 W
Input voltage	190 ... 260 VAC, 50 Hz
Power supply input protection	3.15A slow-blow fuse Overvoltage protection
Power supply output protection	Electronic overload protection at 3 A (automatic recovery after short circuit) Electronic short circuit protection (after a short circuit, a restart of the power supply may be required) Surge protection
Indication	LED AC (yellow) - presence of mains voltage LED 1 (green) - presence of output voltage
Housing Construction	None - built-in module
Installation	Snap-on spacer pins, mounting holes in 10.8 mm pitch
Operating Temperature	-25 ... +50°C
Dimensions	100 x 65 x 40 mm
Weight	0,11 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

- Install the device in the selected place and connect the connecting cables.
- Connect the ground wire to the terminal with the ground symbol.
- Connect the 230VAC power cables to the L and N terminals of the screw strip.
- Turn on the 230VAC power supply.
- The AC and LED1 LEDs on the device should light up. If none of the LEDs light up, check the condition of fuse F1.
- Check the voltage at the DC_OUT output terminals.

Operation Indication

- LED_AC (yellow) - presence of mains voltage
- LED1 (green) - presence of output voltage

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.

