AUPS-70-120-H
Buffer Power Supply 12V 6A 72W
in indoor enclosure with space for 2x Battery 18Ah

INSTRUCTION MANUAL

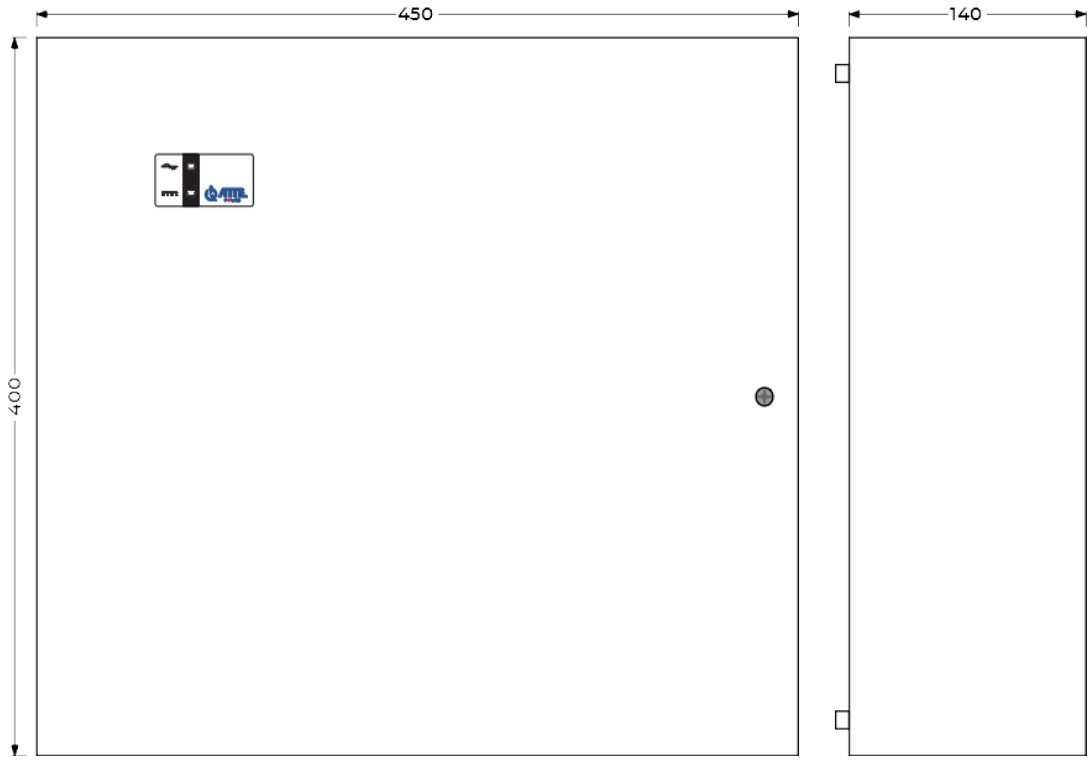
AUPS series are a buffer power supply modules designed for CCTV systems and access control systems.

The device is a convenient solution to the problem of buffer power supply for loads requiring uninterruptible operation during periodic mains power failures. The use of the buffer power supply allows for a significant increase in the operating time of the system compared to applications using a classic UPS.

The systems are adapted to work with lead-acid or dry SLA batteries.

An additional START button enables the power supply to be forced to start only from the battery without the available 230V mains voltage, the so-called 'cold start'.

The unit is enclosed in an ABOX series indoor housing providing a convenient solution to the problem of aesthetically fitting monitoring elements and cable termination inside buildings. The casing is made of steel sheet, powder-coated in semi-gloss white.



General view of the device

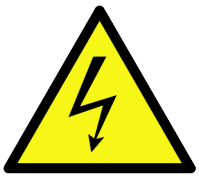
Technical Specification

Battery	1 x gel or AGM 12V / 18Ah battery
Output Voltage	10,8 ... 13,8 VDC
Output Current	6 A - continous 8 A- maximum (while charging)
Power	72 W - continous 96 W - maximum (while charging)
Efficiency	90% @70 W
Input Voltage	190 ... 260 VAC, 50 Hz
Battery Charing Current	1 A or 2 A (selected by jumper JP1)
Power Supply Input Protection	Slow blow fuse 3,15A
Power Supply Output Protection	Mains operation: Overload electronic protection 12A (after short circuit it may be necessary to restart power supply) Battery operation: Time Delay Fuse 6,3A
Battery Circuit Protection	Battery Reverse Polarity Protection and overload: Time Delay Protection 6,3A Battery Deep Discharge Protection: Battery disconnection under 10,8V with auto return when mains power supply is returned
Indication	AUPS-70-120-OF: LED_AC (yellow) - mains power supply LED1 green) - output voltage LED2 (red) - battery charging AUPS-70-120-H (enclosures): LED AC (green) - presence of mains voltage LED DC (red) - presence of output voltage
Technical Outputs	AUPS-70-120-OF: OUF – lack of +DC_OUT voltage ACF – lack of AC voltage Open collector output with maximum 50mA current (each output)
Startup at AC Loss	START button
Housing Construction	Enclosure ABOX-H Enclosure material - steel plate 0,8 mm Enclosure painted with white paint Mounted tamper switch System drilling 4,8 mm in 10,8 mm pitch Wall distance 8 mm Mounting holes 6 mm
Assembly	Wall mounting through 6 mm mounting holes
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +50°C
Dimensions	450 x 400 x 140 mm
Weight	4,27 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 Protective Earth wiring.
- Connect mains power supply 230VAC to L, N terminals.
- Optionally connect outputs OUTF and ACF.
- Connect battery 12V (buffer operation).
- Set the charging current using the JP1 jumper.
- Turn on mains 230VAC power supply.
- LED AC and LED1 should light. In case if LEDs do not light check fuse F1.
- Check output voltage at terminal DC_OUT. Correct voltage should be in range 10,8V ... 13,8V.
- Mount the door and then connect the earth wire to the enclosure body.
- Connect the cable of the LED panel to the socket „LED_PANEL” on the power supply module.
- After checking system operation, close the enclosure.

Operation Indication

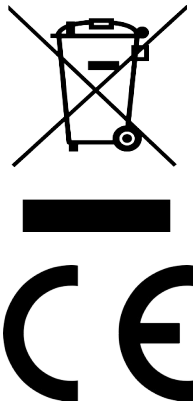
AUPS-70-120-OF (module):

- LED AC (yellow) - presence of mains voltage
- LED1 (green) - presence of output voltage
- LED2 (red) - battery charging

AUPS-70-120-H (enclosures):

- LED AC (green) - presence of mains voltage
- LED DC (red) - 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.