

AUPS-100-120-F

Buffer Power Supply 12V 8A 100W

in indoor enclosure with space for 1x Battery 18Ah

INSTRUCTION MANUAL

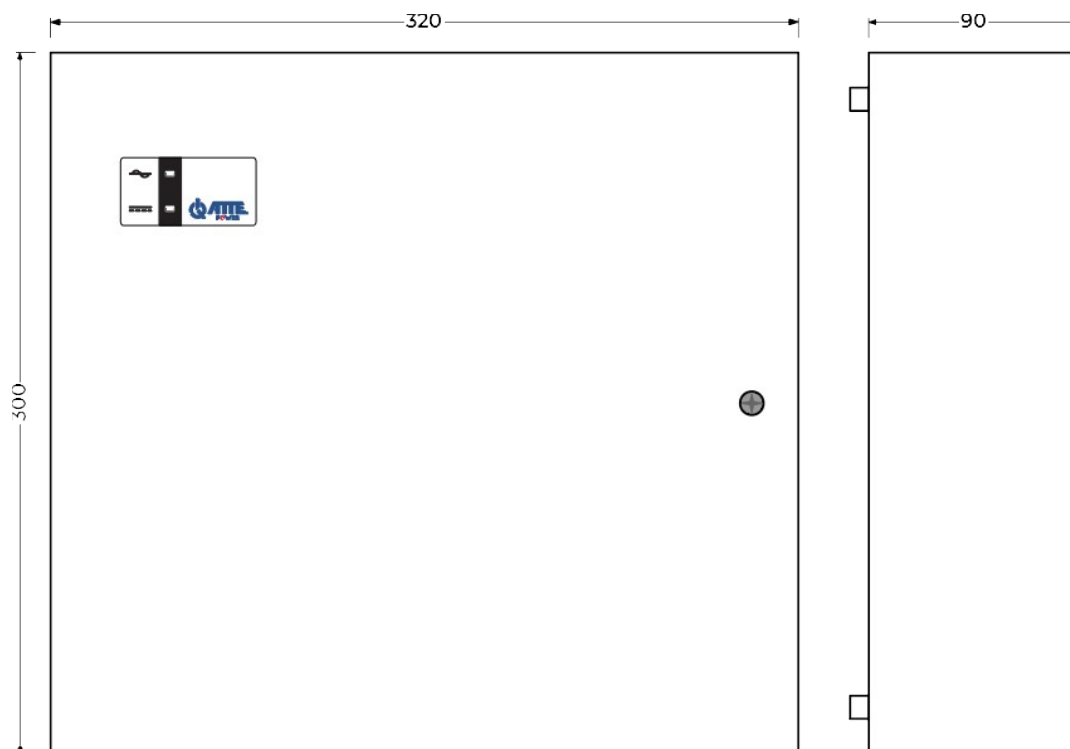
AUPS series buffer power supply designed for CCTV, access control and alarm systems.

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 system is designed to work with maintenance-free SLA batteries (gel and AGM).

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 battery 12V / 7...18Ah
Output Voltage	10,8 ... 13,8 VDC
Output Current	8 A – continuous 10 A - maximum (during battery charging)
Power	100 W – continuous 120 W - maximum (during battery charging)
Efficiency	90% @100 W
Input Voltage	190 ... 260 VAC, 50 Hz
Battery Charing Current	1 A or 2 A (selected by jumper JP1)
Power Supply Input Protection	Delayed fuse 3.15 A
Power Supply Output Protection	Mains power supply: Electronic overload protection at 12 A (power supply may need to be restarted after a short circuit) Battery operation: 10 A fuse
Battery Circuit Protection	Protection against reverse battery connection and overload: 10 A fuse Deep discharge protection: Disconnection of the battery for voltages below 10.8 V (automatic return when mains voltage is applied)
Indication	AUPS-100-120-OF (module): LED1 (yellow) - presence of mains voltage LED2 (green) - presence of output voltage LED3 (red) - battery charging AUPS-100-120-F (enclosure): LED AC (green) - presence of mains voltage LED DC (red) - presence of output voltage
Technical Outputs	AUPS-100-120-OF (module): OUF – lack of +DC_OUT voltage ACF – lack of AC voltage
Startup at AC Loss	Open collector output with maximum 50mA current (each output) START button
Housing Construction	ABOX-F enclosure Housing material - 0.8 mm sheet steel Housing powder-coated white Mounted opening tamper System punchings 4.8 mm in 10.8 mm grid 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	320 x 300 x 90 mm
Weight	2,34 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 appliance at the desired location and connect the connecting wires.
- Connect the earthing wire to the terminal with the earthing symbol.
- Connect the 230VAC power supply wires to the L, N terminals of the screw terminal block.
- Optionally, connect the OUF and ACF output circuits.
- Connect the 12V battery (for buffer operation).
- Set the charging current using jumper JP1.
- Switch on the 230VAC power supply.
- The unit's AC and LED1 indication LEDs should light up. If neither LED lights up, check the status of the F1 fuse.
- Check the voltage at the DC_OUT output terminals. The correct voltage should be in the range 10.8V ... 13.8V.
- Mount the door and then connect the earth wire to the housing body.
- Connect the wire of the LED panel to the socket „LED_PANEL” on the power supply module.
- After checking the correct operation, close the enclosure.

Operation Indication

AUPS-100-120-OF (module):

- LED1 (yellow) - presence of mains voltage
- LED2 (green) - presence of output voltage
- LED3 (red) - battery charging

AUPS-100-120-F (enclosure):

- 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.

