

AUPS-100-122-OF

Buffer Power Supply 10,8...14,4V 8A 100W

built-in module

INSTRUCTION MANUAL

AUPS-100-122-OF is a power supply with increased voltage and increased battery charging current dedicated to installations operating during cyclic mains voltage outages.

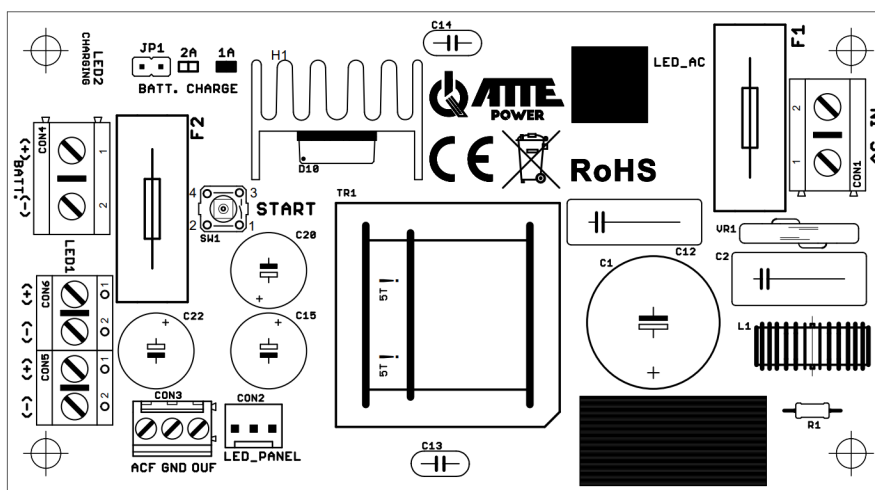
AUPS series buffer power supply designed for CCTV systems, access control systems and alarm systems.

The device is a convenient solution to the problem of buffer power supply for receivers requiring uninterrupted operation during mains voltage outages. The use of a buffer power supply allows to significantly extend the system's operating time compared to applications using a classic UPS emergency power supply.

It is used on construction sites, when powered by street lights, in autonomous systems such as Tower CCTV and other places where the power supply is regularly turned off.

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

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



General view of the device

Technical Specification

Battery	1 x gel or AGM 12V battery
Output Voltage	10,8 ... 14,4 VDC
Output Current	8 A - continuous (shared with battery charging system) 10 A - maximum (while charging the battery)
Power	100 W - continuous 120 W - maximum (while charging the battery)
Efficiency	90% @100 W
Input Voltage	190 ... 260 VAC, 50 Hz
Battery Charing Current	3A or 6A (depending on battery discharge level)
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 Circuit Protection	Battery operation: Slow Blow Fuse 10A Battery reverse polarity protection and overload protection: Slow Blow Fuse 10A
Indication	Deep discharge protection: Battery disconnection for voltage below 10.8 V (automatic return after mains voltage is applied) LED1 (YELLOW) - presence of the mains power supply LED2 (GREEN) - presence of the output voltage LED3 (RED) - battery charging
Technical Outputs	OUF - lack of +DC_OUT voltage ACF - lack of AC voltage
Startup at AC Loss	Open collector output with maximum 50mA current (each output) Automatic start-up of the power supply after connecting the battery
Housing Construction	Open frame module
Assembly	Snap-on spacers, mounting holes in 10.8 mm pitch
Operating Temperature	-25 ... +50°C
Dimensions	118 x 65 x 45 mm
Weight	0,15 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 housing and connect the connecting cables.
- Connect the grounding cable to the terminal with the housing grounding symbol if necessary.
- Connect the 230VAC power cables to the L, N terminals of the screw strip.
- Optionally, connect the OUF and ACF output circuits.
- Connect the 12V battery (for buffer operation).
- Turn on the 230VAC power supply.
- The AC and LED1 LEDs of the device should light up. If none of the LEDs light 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 of 10.8V ... 14.4V.
- After checking the correct operation of the device, close the housing.

Operation Indication

- LED1 (YELLOW) - presence of the mains power supply
- LED2 (GREEN) – presence of the output voltage
- LED3 (RED) – battery charging

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.

