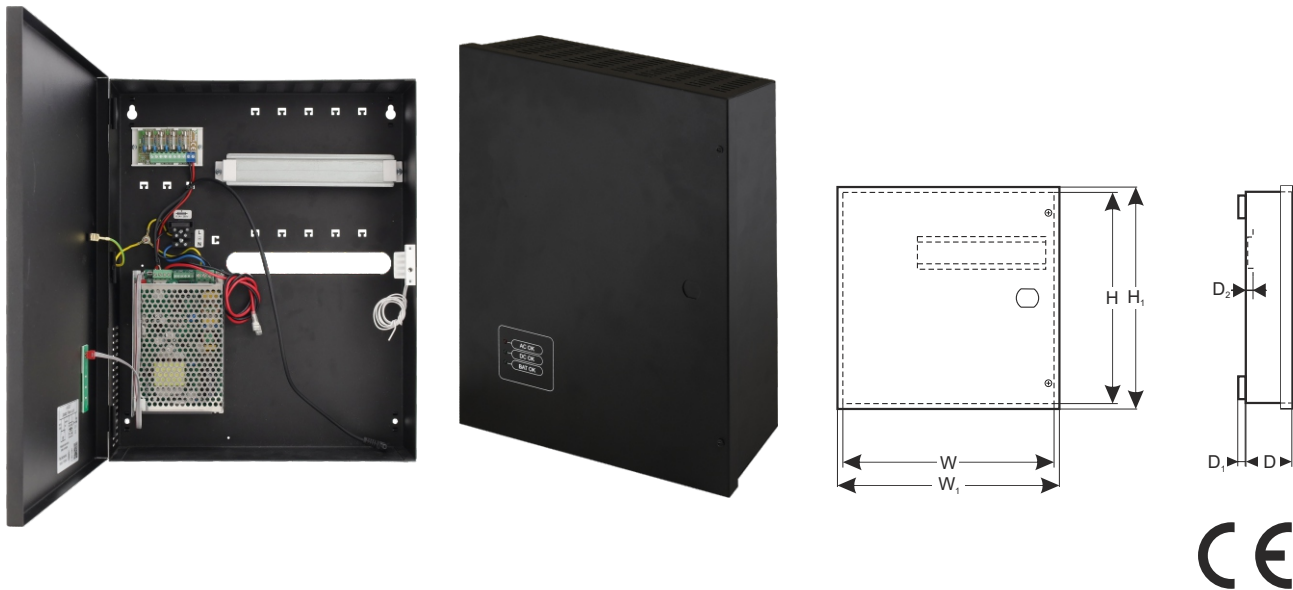


CODE: **AWZ637** v.1.1/II  
NAME: **Enclosure with power supply unit dedicated to Dahua's Access Control**

EN



## Features:

- supply voltage ~200 - 240 V
- DC 13,8 V/6 A uninterruptible power supply
- fitting battery 17 Ah/12 V
- high efficiency (87%)
- battery charging current jumper selectable
- function START allows running PSU from battery power
- LED optical indication
- deep discharge battery protection (UVP)
- dynamic battery test
- enclosure dedicated for Dahua controllers ASC2104B-T, ASC2102B-T (and similar)
- battery circuit continuity control
- battery voltage control
- battery charging and maintenance control
- battery output protection against short circuit and reverse connection
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection: unwanted enclosure opening
- warranty – 2 years from production date

## DESCRIPTION

The buffer power supply is used for uninterrupted supply equipment requiring stabilized voltage of 12 V DC (+/-15%). The PSU provides voltage of **U=13,8 V DC**. Current efficiency:

- 1. Output current 6 A + 1 A battery charge**
- 2. Output current 5 A + 2 A battery charge**

**Total device current + battery: 7 A max.**

In case of power decay, a battery back-up is activated immediately. The PSU is constructed based on the switch mode PSU, with high energy efficiency. The PSU is housed in a metal enclosure (colour RAL 9005) which can accommodate a 17 Ah/12 V battery. A micro switch indicates door opening (front cover). TH35 rail, length of 185 mm, for mounting the controller was installed inside. The PSU has been equipped with a LB4 fuse module to protect the controller outputs.

# Enclosure with power supply unit dedicated to Dahua's Access Control



TECHNICAL DATA	
Supply voltage	~ 200 - 240 V
Current consumption	1 A
Power frequency	50/60 Hz
Inrush current	40 A
PSU power	96 W
Output current max.	7 A
Efficiency	87%
Output voltage	11 - 13,8 V – buffer operation 10 - 13,8 V – battery-assisted operation
Ripple voltage (max.)	100 mV p-p
Current consumption by PSU during battery-assisted operation	30 mA
Fitting battery	17 Ah (SLA)
Charging current (jumper selectable)	I1: 1 A I2: 2 A
Overload protection (OLP)	105-150% PSU power, automatically recovered
Over voltage protection (OVP)	>19 V (activation requires disconnecting the load or supply for about approx. 1 min.)
Battery circuit protection SCP and reverse polarity connection	F <sub>BAT</sub> fuse (in case of a failure, fuse-element replacement required)
Deep discharge battery protection UVP	U<9,5 V (± 5%) – disconnection of battery circuit
Technical outputs: - EPS; output indicating AC power failure - APS; output indicating battery failure	relay type: 1A@ 30VDC/50VAC
Tamper switch protection: - TAMPER indicates enclosure opening	microswitch, NC contacts (enclosure closed) 0,5 A@50 V DC (max.)
Optical indication	- LCD on PSU's PCB - LED indicators on power supply's cover
Operating conditions	Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation
Dimensions	W=320, H=397, D+D <sub>1</sub> =92+8 [+/- 2 mm] W <sub>1</sub> =325, H <sub>1</sub> =401 [+/- 2 mm] D <sub>2</sub> =18 [+/- 2 mm]
Fixing (WxH)	290x348
Space for battery (WxHxD)	190 x 170 x 75 mm (WxHxD) max.
Number of DIN rails / length / number of „S” ields	1 / 185 / 10
Net/gross weight	3,5 / 3,8 [kg]
Enclosure	Steel sheet DC01 1,0 mm
Closing	Cheese head screw (at the front), (lock assembly possible)
Declarations, warranty	UKCA, CE, 2 years from production date
Notes	Enclosure does not adjoin assembly surface so that cables can be led.