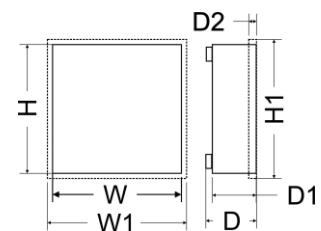


**CODE: AWZ 300 v.2.1**  
**TYPE: PSU-B-13.8V/L-3A/1/EL-TR-17Ah/MC**

**EN**



**ADDITIONAL EQUIPMENT:**

[1] over-voltage module MZN1 (AWZ540), AC control module: PC2 (AWZ518)  
MB8-300/500 voltage distribution module (AWZ 531/532), LB 4 fuse module (AWZ533)

**DESCRIPTION**

The buffer power supply unit is destined for uninterruptible supplying devices requiring stabilized voltage 12 V/DC (+/-15%). The power supply unit supplies voltage  $U = 12.8 \text{ V DC} + 13.8 \text{ V DC}$  of total current efficiency 3 A. In case of network power supply failure, immediate switching over to battery supply takes place. The power supply unit is equipped with protections: short-circuit protection (SCP), overload protection (OLP), over heating protection (OHP). It is adapted for cooperation with lead-acid, dry battery (SLA). The power supply unit automatically controls the process of charging and maintaining the battery, moreover it is equipped with BAT output protections: short-circuit protection, protection against reversed polarity of connection and against excessive discharge (UVP). The power supply unit is equipped with optical signaling informing about operation status (AC supply, DC output). The power supply unit is enclosed in a metal, flush mounted casing with space for the battery. The casing is equipped with a microswitch signaling opening the door (front panel).

**TECHNICAL DATA**

<b>Casing:</b>	metal, IP20, color RAL9003,
<b>Dimensions:</b>	W=230,H=300,D=98,W1=235, H1=305, D1=90 mm, D2=14 [mm, ±2]
<b>Net/ gross weight:</b>	3.5 / 3.60 [kg]
<b>Space for battery:</b>	17 Ah/12 V lead-acid, dry (SLA)
<b>Antisabotage protection:</b>	1 x microswitch: opening the casing, 0.5 A@50 V/DC max. NC cont.
<b>Closing:</b>	screwed: cheese screw x 1
<b>Remarks:</b>	distance from wall (ground) 8 mm
<b>Power supply:</b>	230 V/AC (-15%/+10%), 50Hz, 0.42 A (max.)
<b>Transformer:</b>	TR 80 VA/17 V
<b>Power of the power supply unit:</b>	P=42 W max.
<b>Type of the power supply unit:</b>	A (EPS- External Power Source)
<b>Output voltage:</b>	12.8 V+13.8 V (buffer op.), 13.5 V@3 A, $V_{pp} < 30 \text{ mV max. } (-/+1\%)$
<b>Output current:</b>	3.0 A max
<b>Number of supply outputs:</b>	1
<b>Current charging the battery:</b>	1.6 A max / 0.7 A lav./24 h (17 Ah@Ubat=10 V)
<b>Current consumption by the PSU:</b>	12 mA max
<b>Short-circuit protection (SCP):</b>	200% + 250% of the PSU power + F1: fuse in the battery circuit
<b>Overload protection (OLP):</b>	110% + 150% of the PSU power, PTC+F2: fuse in the 230 VAC circuit
<b>Over-voltage protection (OVP):</b>	no (option MZN1 module)
<b>Supervoltage protection:</b>	varistors
<b>Battery protection (SCP, UVP):</b>	SCP= F 5 A, UVP<10 V excessive discharge (-/+5%)
<b>Technical output BS (AC failure):</b>	no (option PC2 module)
<b>Technical output AW (failure):</b>	no
<b>Type of technical outputs:</b>	-----
<b>Acoustic signaling of operation:</b>	no
<b>Optical signaling of operation:</b>	LED: AC supply status, DC outputs
<b>Operating conditions:</b>	2nd environmental class, -10°C+ 40°C
<b>Certificates, declarations:</b>	CE, RoHS
<b>Remarks:</b>	PSU cooling: convection, battery output: connectors 6.3 F-2.5 Outputs: connectors $\Phi 0.51 \pm 2.05$ (AWG 24-12)