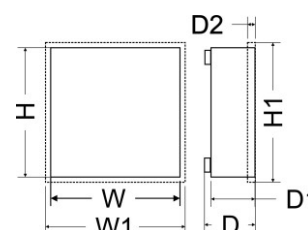


Linear, buffer power supply units, 13.8 V/DC without automatic operation control

®

CODE: **AWZ 100.2.2**
TYPE: **PSU-B-13.8V/L-1A/1/EL-TR-1.2Ah/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 $U = 12.8 \text{ V DC} \div 13.8 \text{ V DC}$ of total current efficiency 1.1 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 and protection against reversed polarity of connection. 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

Casing:	metal, IP20, color RAL9003,
Dimensions:	W=170, H=180, D=88, W1=175, H1=185, D1=80 mm, D2=14 [mm,±2]
Net/ gross weight:	1.5 / 1.6 [kg]
Space for battery:	1.2 Ah/12V lead-acid, dry (SLA)
Antisabotage protection:	1 x microswitch: opening the casing, 0.5 A@50 V/DC max. NC cont.
Closing:	screwed: cheese screw x 1
Remarks:	distance from wall (ground) 8 mm
Power supply:	230 V/AC (-15%/+10%), 50 Hz, 0.16 A (max.)
Transformer:	TR30 VA/17 V (v2.0 and higher)
Power of the power supply unit:	P=18 W max.
Type of the power supply unit:	A (EPS- External Power Source)
Output voltage:	12.8 V ÷ 13.8 V (buffer op.), 13.5 V@1A, $V_{pp} < 30 \text{ mV max. (-/+1\%)}$
Output current:	1.0 A max
Number of supply outputs:	1
Current charging the battery:	0.3 A max / 0.1 A lav./24 h (1.2 Ah@Ubat=10 V)
Current consumption by the PSU	5 mA max
Short-circuit protection (SCP):	200% ÷ 250% of the PSU power + F1: fuse in the battery circuit
Overload protection (OLP):	110% ÷ 150% of the PSU power, PTC+F2: fuse in the 230 VAC circuit
Over-voltage protection (OVP):	no (option MZN1 module)
Supervoltage protection:	varistors
Battery protection (SCP, UVP):	SCP= F 2 A, UVP= no
Technical output BS (AC failure):	no (option PC2 module)
Technical output AW (failure):	no
Type of technical outputs:	-----
Acoustic signaling of operation:	no
Optical signaling of operation:	LED: AC supply status, DC outputs
Operating conditions:	2nd environmental class, -10°C ÷ 40°C
Certificates, declarations:	CE, RoHS
Remarks:	PSU cooling: convection, battery output: connectors 6.3 F-2.5 Outputs: connectors $\Phi 0.41 \div 1.63$ (AWG 26-14)