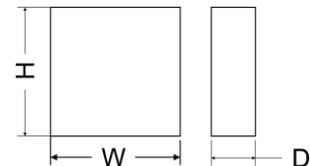


CODE: PSBAH 1012 v.2.0  
TYPE: PSU-B-13.8V/S-1A/1/EL-TR-1.2Ah/HC

EN



## DESCRIPTION

The buffer power supply unit is destined for uninterruptible supplying devices requiring stabilized voltage 12 V/DC (+/-15%). It supplies voltage  $U=11.0V+13.8V/DC$  of total current efficiency 1.0 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, LB charging, DC output) and it is enclosed in ABS casing (grey color) with space for the battery. The casing is equipped with a microswitch signaling opening the cover (front panel).

## TECHNICAL DATA

<b>Casing:</b>	ABS, IP65*, color: RAL 7005 shade, glossy (dark grey)
<b>Dimensions:</b>	160 x 160 x 90 (160 x 160 x 60+30) (WxHxD) [mm,±2]
<b>Net/ gross weight:</b>	1.3 / 1.4 [kg]
<b>Space for battery:</b>	1.2 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
<b>Closing:</b>	screwed: cheese screw x 4
<b>Remarks:</b>	the casing is equipped with removable assembly plate with the PSU systems.
<b>Power supply:</b>	230 V/AC (-15%/+10%), 50Hz, 0.11 A max. (2.5 A "cold start-up")
<b>Transformer:</b>	TR 30 VA/17 V
<b>Power of the power supply unit:</b>	P=14 W max.
<b>Type of the power supply unit:</b>	A (EPS- External Power Source)
<b>Output voltage:</b>	11.0 V+13.8 V/DC buf. op. (10.0 V+13.8 V/DC bat. op.), 30 mV p-p
<b>Output current:</b>	1.0 A max.
<b>Number of supply outputs:</b>	1
<b>Current charging the battery:</b>	0.2 A max. (for 1.2 Ah@U bat.=10.0 V)/ 0.5 A max. (for 7 Ah@U bat.=10.0 V)
<b>Current consumption by the PSU:</b>	25 mA max
<b>Short-circuit protection (SCP):</b>	200% + 250% of the PSU power + F1: fuses in the battery circuit
<b>Overload protection (OLP):</b>	110% + 150% of the PSU power, PTC / fuse F2 - circuit 230 VAC
<b>Over-voltage protection (OVP):</b>	no
<b>Supervoltage protection:</b>	varistors
<b>Battery protection (UVP):</b>	no
<b>Technical output BS (AC failure):</b>	no
<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, DC supply status, LB charging, on power supply unit PCB
<b>Operating conditions:</b>	2nd environmental class, -10°C+ 40°C, RH=90% max.
<b>Certificates, declarations:</b>	CE, RoHS
<b>Remarks:</b>	CONNECTIONS; supply: $\Phi$ 0.63-2.50 (AWG 22-10), I/O PCB: $\Phi$ 0.41+1.63 (AWG 26-14), TAMPER output: conductors, 30 cm * IP65: stuffing box assembly required (included in delivery)