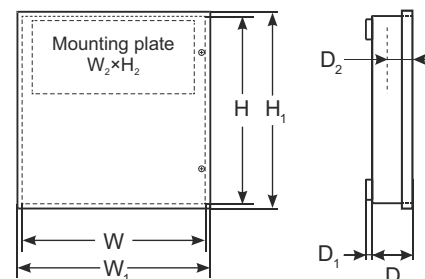


CODE: **SWB-300** v.2.0/II
NAME: **Buffer power supply system for PoE switches,
54VDC/4x17Ah/300W**

EN



Features:

- Supply voltage ~200 – 240 V
- High efficiency (87%)
- Battery charging and maintenance control
- Deep discharge battery protection
- Battery charging current: 0,5 A/1 A/2 A, jumper selectable
- Metal enclosure - color white RAL9003
- Removable universal mounting plate
- START function of manual switch to battery power
- Optical indication
- Protections:
 - SCP short circuit protection
 - OLP overload protection
 - OVP overvoltage protection
 - surge protection
 - antisabotage protection: unwanted enclosure opening
 - against reverse polarity connection
- Forced cooling - built-in fan
- Warranty: 2 years

General description

Buffer power supply system for PoE switches, SWB-300 is designed for uninterrupted power supply of PoE switches with 54 V DC. It was designed based on high energy efficiency switching power supply module placed in metal enclosure (color RAL 9003). Enclosure has a place for 4 pcs of 17 Ah / 12 V (SLA) battery and is equipped with a tamper switch signaling opening the door (front panel). Device is equipped with removable universal mounting plate (tilting), which allows to mount PoE switches with dimensions up to 435x200x70 (WxHxD) [mm]. For example Pulsar's models: **S64, SG64, SFG64, SFG64F1, S108, SG108** - to 2 pieces simultaneously*, or **SFG108**.

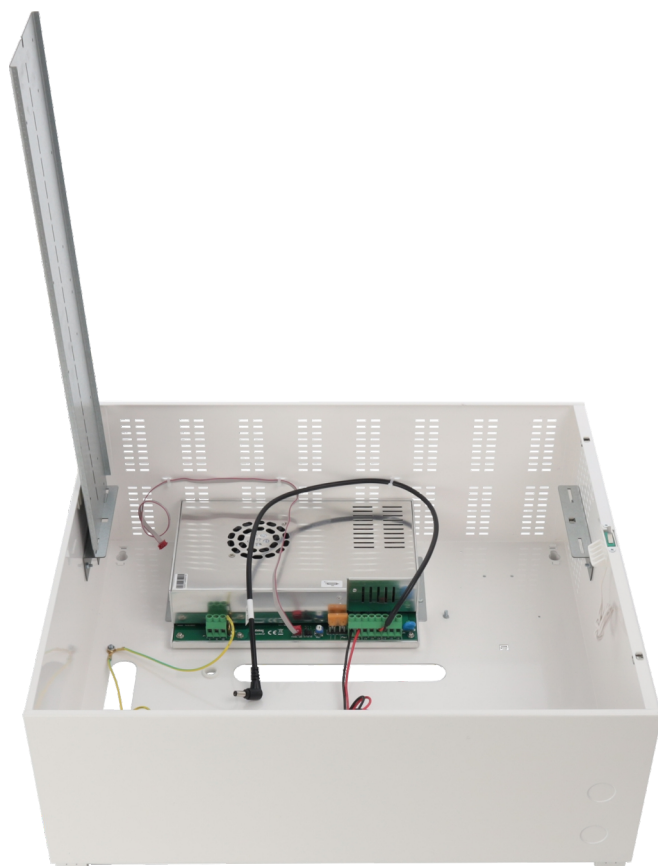
Device can operate in one of two configurations:

1. PoE output power 300 W
2. PoE output power 270 W + 0,5 A battery charging
3. PoE output power 240 W + 1 A battery charging
4. PoE output power 210 W + 2 A battery charging

* requires an additional DC power cable.

TECHNICAL DATA

Power supply	~ 200 – 240 V; 1,5 A; 50/60 Hz
Inrush current	60 A
Efficiency	87%
PoE supply	54 V DC; 300 W
Ripple voltage	150 mV p-p max.
Battery charging voltage	44 – 54 V DC
Battery charging current	0,5 A / 1 A / 2 A jumper selectable
Short circuit protection (SCP)	electronic, automatic recovery
Overload protection (OLP)	105 – 150% of power supply, automatic recovery
Surge protection	varistors
Current consumption by PSU during battery-assisted operation	ok. 25 mA
LED optical indication output	LED AC - presence of AC voltage LED DC - presence of DC voltage in the output of the PSU LED CHARGE - battery charging process
Connectors	Power input: $\Phi 0,63-2,50$ (AWG 22-10) PoE power supply output: DC plug 2.1/5.5 BAT output: battery wires $\Phi 6$ (M6-1,5) 45cm
Operating conditions	Temperature -10°C – +40°C, Relative humidity 20% – 90% without condensation
Protection class EN 62368-1	I (first)
Degree of Protection EN 60529	IP20
Operating temperature	-10°C...+40°C
Storage temperature	-20°C...+60°C
Vibrations and impulse waves during transport	According to PN-83/T-42106
Dimensions	W=475, H=430, D+D ₁ =172+14 [+/- 2mm] W ₁ =480, H ₁ =435 [+/- 2mm] W ₂ =435, H ₂ =200, D ₂ =70 [+/- 2mm]
Enclosure	Steel sheet, DC01 1,0mm color RAL 9003
Closing	Cheese head screw x 2 (at the front, lock assembly possible)
Notes	Enclosure does not adjoin assembly surface so that cables can be led
Additional equipment	Mounting screws (x4)
Net/gross weight	7,8 / 8,6 [kg]
Declarations, warranty	CE, 2 years



3 x



4 x



Sample assembly:

