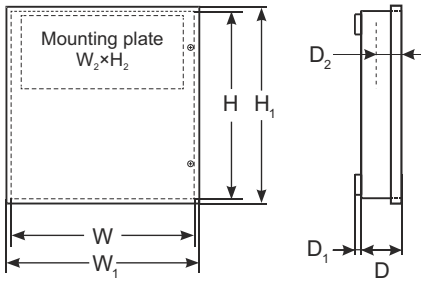
CODE: **SWB-300** v.1.0/I **EN**

NAME: **Buffer power supply system for PoE switches, 54VDC/4x17Ah/300W**



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
- Possibility of installing additional mounting plate
- Optical indication
- Protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection: unwanted enclosure opening
  - OHP overheat protection
  - against reverse polarity connection
- Forced cooling – built-in fan
- Warranty – 2 years from production date

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, which allows to mount PoE switches with dimensions up to 245x150x90 (WxHxD) [mm].
For example Pulsar's models: **S64, SG64, SFG64, SFG64F1, S108, SG108, SF108.**

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

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: Φ0,63-2,50 (AWG 22-10) PoE power supply output: DC plug 2.1/5.5 BAT output: battery wires Φ6 (M6-1,5)-45cm
Operating conditions	Temperature -10°C ÷ 40°C, Relative humidity 5%-90% without condensation
Protection class EN 62368-1	I (first)
Degree of Protection EN 60529	IP20
Operating temperature	-10ºC...+40ºC
Storage temperature	-20ºC...+60ºC
Vibrations and impulse waves during transport	Wg PN-83/T-42106
Dimensions	W=460, H=390, D+D_1=173+8 [+/- 2mm] W_1=465, H_1=395 [+/- 2mm] W_2=245, H_2=150, D_2=90 [+/- 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	7,42 / 8,2 [kg]
Declarations, warranty	CE, 2 years from the production date

Sample assembly: