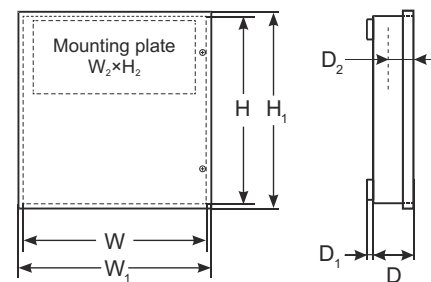


CODE: **SWB-120** v.1.1/II

EN

NAME: **Buffer power supply system for PoE switches,  
52VDC/2x17Ah/120W**



## Features:

- Supply voltage ~200 - 240 V
- High efficiency (87%)
- Battery charging and maintenance control
- Built-in DC/DC converter allows reduce installation costs and stabilise output voltage regardless of battery charge status
- Deep discharge battery protection
- Battery charging current: 0,5 A
- 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
- Warranty – 2 years from production date

## General description

Buffer power supply system for PoE switches, SWB-120 is designed for uninterrupted power supply of PoE switches with 52 V DC. It was designed based on switching power supply module with built-in DC / DC converter with high energy efficiency, placed in metal enclosure (color RAL 9003). DC / DC converter used to increase voltage allows to reduce costs of system by limiting batteries to 2 pc. Enclosure has a place for 2 pcs of 17Ah / 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**.

## TECHNICAL DATA

Power supply	~ 200 – 240 V; 1,3 A; 50/60 Hz
Inrush current	50 A
Efficiency	87%
PoE supply	52 V DC; 120 W
Ripple voltage	100 mV p-p max.
Battery charging voltage	22-27,6 V DC
Battery charging current	0,5 A
Battery circuit protection SCP and reverse polarity connection	glass fuse F <sub>BAT</sub> : F5A/250V
Deep discharge battery protection UVP	U<19 V (± 5%) – disconnection of battery circuit
Overload protection (OLP)	105 – 150% of power supply, automatic recovery
Surge protection	varistors
Current consumption by PSU during battery-assisted operation	about 30 mA
LED optical indication output	LED AC – presence of AC voltage LED DC – presence of DC voltage in output of PSU LED CHARGE – battery charging process
Connectors	Power input: Ø0,63-2,50 (AWG 22-10) PoE power supply output: DC plug 2.1/5.5 BAT output: battery wires Ø6 (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
Vibrations and impulse waves during transport	According to PN-83/T-42106
Dimensions	W=330, H=380, D+D <sub>1</sub> =173+8 [+/- 2mm] W <sub>1</sub> =335, H <sub>1</sub> =385 [+/- 2mm] W2=245, H <sub>2</sub> =150, D <sub>2</sub> =90 [+/- 2mm]
Enclosure	Steel sheet, DC01 1,0mm color RAL 9003
Closing	Cheese head screw x 2 (at 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	5,6 / 6,2 [kg]
Declarations, warranty	CE, 2 years from production date

## Sample assembly:

