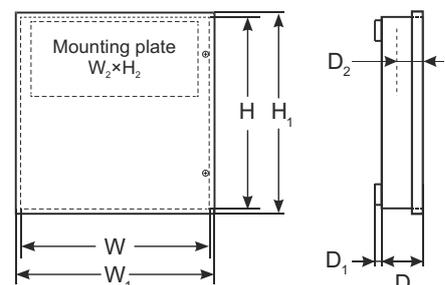


CODE: **SWB-60** v.1.1/II  
 NAME: **Buffer power supply system for PoE switches, 52VDC/7Ah/60W**

EN



## Features:

- Supply voltage ~200 - 240 V
- High efficiency (83%)
- 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-60 is designed for uninterrupted power supply of PoE switches with 52 V DC. It was designed based on switching power supply module with built-up 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 1 pc. Enclosure has a place for 7Ah/12 V (SLA) battery and is equipped with a tamper switch signaling opening door (front panel). Device is equipped with removable universal mounting plate, which allows to mount PoE switches with dimensions up to 230x110x45 (WxHxD) [mm]. For example Pulsar's models: **S64, SG64, SFG64, SFG64F1, S108, SG108**.

## TECHNICAL DATA

Power supply	~ 200 – 240 V; 0,7 A; 50/60 Hz
Inrush current	40 A
Efficiency	83%
PoE supply	52 V DC; 60 W
Ripple voltage	100 mV p-p max.
Battery charging voltage	11-13,8 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<9,5 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	ok. 40 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 6,3F – 45cm, angle muffs ML062 (hole 5,2 mm)
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=300, H=300, D+D <sub>1</sub> =105+8 [+/- 2mm] W <sub>1</sub> =305, H <sub>1</sub> =305 [+/- 2mm] W <sub>2</sub> =230, H <sub>2</sub> =110, D <sub>2</sub> =45 [+/- 2mm]
Enclosure	Steel sheet, DC01 0,7mm 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	2,9 / 3,0 [kg]
Declarations, warranty	CE, 2 years from production date

## Sample assembly:

