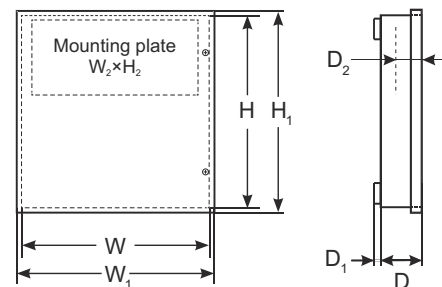
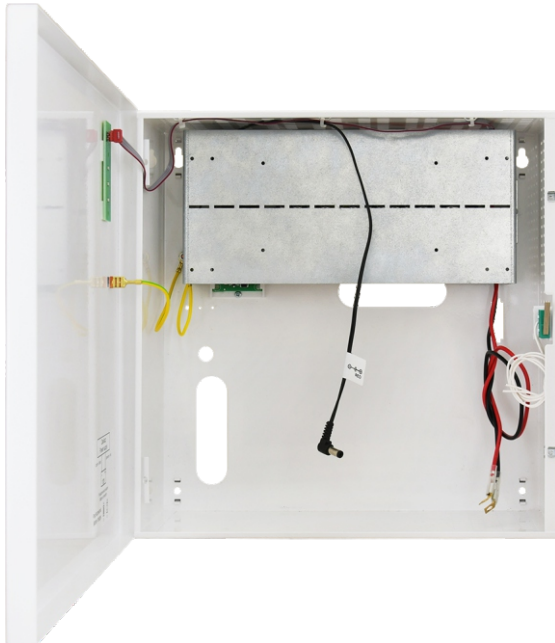


CODE: **SWB-60** v.1.0/1

EN

NAME: **Buffer power supply system for PoE switches,
52VDC/7Ah/60W**



Features:

- Supply voltage ~200 - 240 V
- High efficiency (82%)
- Battery charging and maintenance control
- Deep discharge battery protection
- Battery charging current: 1 A / 2 A, jumper electable
- Metal enclosure – color white RAL9003
- Removable universal mounting plate
- 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 high energy efficiency switching power supply module 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 the 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**.

Device can operate in one of two configurations:

1. PoE output power 60 W + 1 A battery charging
2. PoE output power 60 W + 2 A battery charging

TECHNICAL DATA

| | |
|---|---|
| Power supply | ~ 200 – 240 V; 1 A; 50/60 Hz |
| Inrush current | 40 A |
| Efficiency | 82% |
| 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 | 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. 40 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: Φ 0,63-2,50 (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 5%-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 | Wg PN-83/T-42106 |
| Dimensions | W=300, H=300, D+D ₁ =105+8 [+/- 2mm] W ₁ =305, H ₁ =305 [+/- 2mm] W ₂ =230, H ₂ =110, D ₂ =45 [+/- 2mm] |
| Enclosure | Steel sheet, DC01 0,7mm 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 | 2,75 / 2,88 [kg] |
| Declarations, warranty | CE, 2 years from the production date |

Sample assembly:

