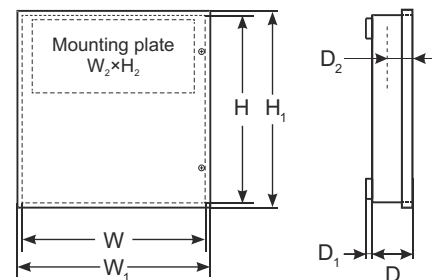


CODE: **SWB-120** v.1.0/I
 NAME: **Buffer power supply system for PoE switches, 52VDC/2x17Ah/120W**

EN



Features:

- Supply voltage ~200 - 240 V
- High efficiency (85%)
- Battery charging and maintenance control
- Deep discharge battery protection
- Battery charging current: 0,5 A / 2 A, jumper selectable
- 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-120 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 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.**

Device can operate in one of two configurations:

1. PoE output power 120 W + 0,5 A battery charging
2. PoE output power 80 W + 2 A battery charging

TECHNICAL DATA

Power supply	~ 200 – 240 V; 1,3 A; 50/60 Hz
Inrush current	50 A
Efficiency	85%
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 / 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. 50 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 Φ 6 (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	-10°C...+40°C
Storage temperature	-20°C...+60°C
Vibrations and impulse waves during transport	Wg PN-83/T-42106
Dimensions	W=330, H=380, D+D ₁ =173+8 [+/- 2mm] W ₁ =335, H ₁ =385 [+/- 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	5,45 / 6,05 [kg]
Declarations, warranty	CE, 2 years from the production date

Sample assembly:

