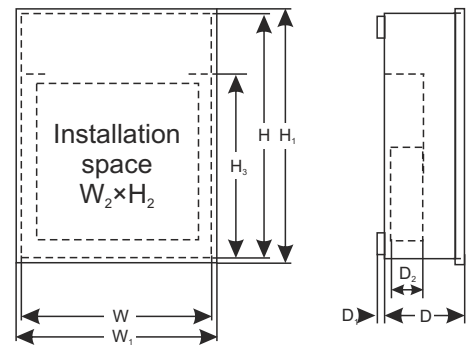


CODE: **SWB-300RACK** v.1.0/I
 NAME: **Buffer power supply system for PoE switches, RACK-3U, 54VDC/4x17Ah/300W**

EN



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
- RACK - 3U brackets, with adjustable mounting height on 3 levels
- Enclosure construction is compliant with requirements of General Data Protection Regulation GDPR (possibility of installing two locks with different codes)
- Optical indication
- Metal enclosure – color white RAL9003
- 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-300RACK 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 special system of mounting RACK switches with possibility of choosing 3 mounting heights and convenient way to remove devices. There are also special holders for fastening belts for devices without RACK mountings, you can also use the RAPDS adapter. Examples of Pulsar switch models: **SF108WP, S116WP, S124WP, SF116WP, SF124WP**.

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: $\Phi 0,63-2,50$ (AWG 22-10) PoE power supply output: DC plug 2.1/5.5 BAT output: battery wires $\Phi 6$ (M6-1,5) – 45cm
Operating conditions	Temperature $-10^{\circ}\text{C} + 40^{\circ}\text{C}$, Relative humidity 5%-90% without condensation
Protection class EN 62368-1	I (first)
Degree of Protection EN 60529	IP20
Operating temperature	$-10^{\circ}\text{C} \dots +40^{\circ}\text{C}$
Storage temperature	$-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$
Vibrations and impulse waves during transport	Wg PN-83/T-42106
Dimensions	W=535, H=540, D=165 [mm, +/-2] W ₁ =540 H ₁ =545, D ₁ =14 [mm, +/-2] W ₂ =530 H ₂ =380, D ₂ =155 [mm, +/-2] H ₃ =360 or 304 or 248 [mm, +/-2]
Enclosure	Steel sheet, DC01 1,2mm 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	11,06 / 12,12 [kg]
Declarations, warranty	CE, 2 years from the production date

Sample assembly:

