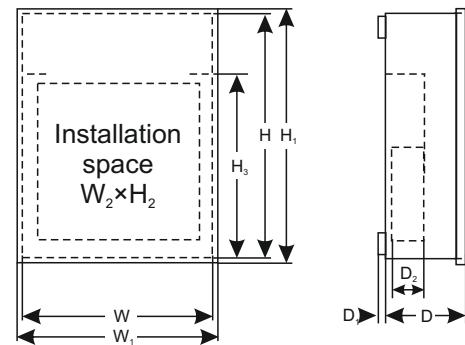


CODE: **SWB-300RACK** v.1.2/III  
 NAME: **Buffer power supply system for PoE switches, RACK-3U, 54VDC/4x17Ah/300W**

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

<b>Power supply</b>	~ 200 – 240 V; 1,5 A; 50/60 Hz
<b>Inrush current</b>	60 A
<b>Efficiency</b>	87%
<b>PoE supply</b>	54 V DC; 300 W
<b>Ripple voltage</b>	150 mV p-p max.
<b>Battery charging voltage</b>	44-54 V DC
<b>Battery charging current</b>	0,5 A / 1 A / 2 A jumper selectable
<b>Short circuit protection (SCP)</b>	electronic, automatic recovery
<b>Overload protection (OLP)</b>	105 – 150% of power supply, automatic recovery
<b>Surge protection</b>	varistors
<b>Current consumption by PSU during battery-assisted operation</b>	ok. 25 mA
<b>LED optical indication output</b>	LED AC - presence of AC voltage LED DC - presence of DC voltage in the output of the PSU LED CHARGE - battery charging process
<b>Connectors</b>	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
<b>Operating conditions</b>	Temperature $-10^{\circ}\text{C} \pm 40^{\circ}\text{C}$ , Relative humidity 5%-90% without condensation
<b>Protection class EN 62368-1</b>	I (first)
<b>Degree of Protection EN 60529</b>	IP20
<b>Operating temperature</b>	$-10^{\circ}\text{C} \dots +40^{\circ}\text{C}$
<b>Storage temperature</b>	$-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$
<b>Vibrations and impulse waves during transport</b>	Wg PN-83/T-42106
<b>Dimensions</b>	W=535, H=650, D=165 [mm, +/-2] W <sub>1</sub> =540 H <sub>1</sub> =655, D <sub>1</sub> =14 [mm, +/-2] W <sub>2</sub> =530 H <sub>2</sub> =430, D <sub>2</sub> =155 [mm, +/-2] H <sub>3</sub> =410 or 355 or 300 [mm, +/-2]
<b>Enclosure</b>	Steel sheet, DC01 1,2mm color RAL 9003
<b>Closing</b>	Cheese head screw x 2 (at the front, lock assembly possible)
<b>Notes</b>	Enclosure does not adjoin assembly surface so that cables can be led.
<b>Additional equipment</b>	Mounting screws (x4)
<b>Net / gross weight</b>	11,06 / 12,12 [kg]
<b>Declarations, warranty</b>	CE, 2 years from the production date

Sample assembly:

