

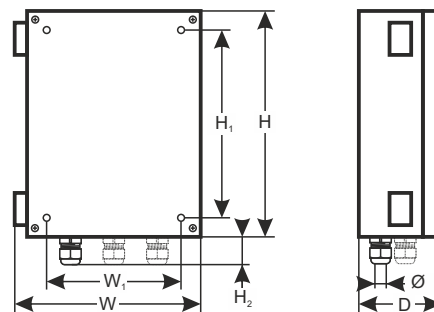
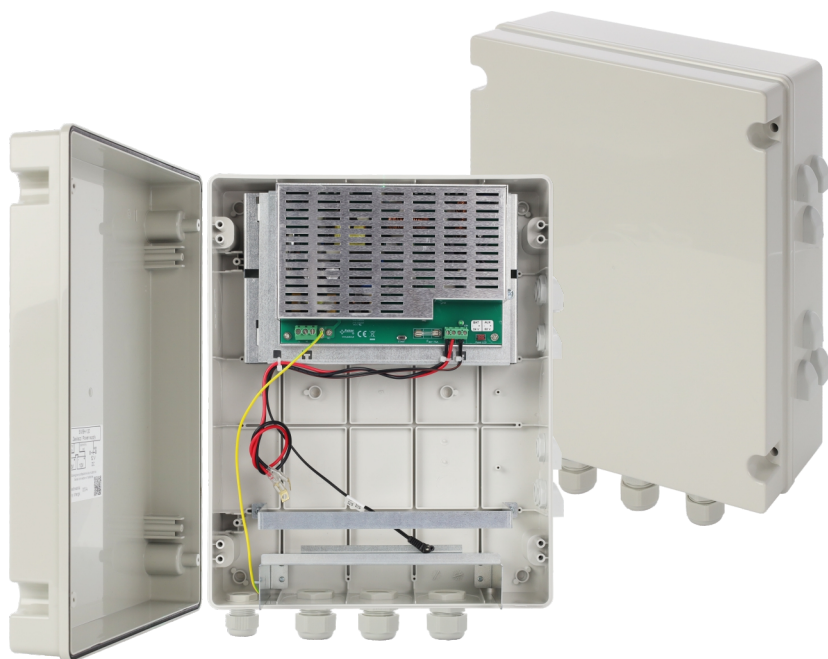
Power supplies SWBH series

Power supply system for PoE switches with battery backup,
ABS enclosure IP44

CODE: **SWBH-120** v.1.0/I

EN

TYPE: **Power supply system for PoE switches with battery backup,
52VDC/2x12Ah/120W, ABS enclosure IP44**



Features:

- supply voltage ~200 – 240 V
- high efficiency (87%)
- battery charging and maintenance control
- built-in DC/DC converter allows reduce installation costs and stabilise output voltage regardless of battery charge status
- battery charging current: 0,5 A
- enclosure **ABS – IP44**
- used glands help to provide wires into enclosure
- possibility of pole mounting (requires USH-1 adapter - optional accessory)
- START function of manual switch to battery power
- deep discharge battery protection (UVP)
- optical indication
- protections:
 - SCP short circuit protection
 - OLP overload protection
 - OVP overvoltage protection
 - surge protection
 - battery protection against reverse connection
- warranty – 2 years

DESCRIPTION

Buffer power supply system for PoE switches SWBH-120 is designed for uninterrupted power supply of PoE switches with 52 V DC. It was designed based on switching power supply module with attached DC/DC converter with high energy efficiency, placed in in **ABS (IP44)** enclosure. DC/DC converter used to increase voltage allows to reduce costs of system by limiting batteries to 2 pcs. Enclosure has a place for 12Ah/12 V (SLA) battery. Device is equipped with removable universal mounting plate, which allows to mount PoE switches with dimensions up to 210x123x38 (WxHxD) [mm]. For example Pulsar's models: **S64WP, SG64WP, SFG64F1WP, SFG64WP, S108WP, SG108WP, ISFG42, ISFG64.**



TECHNICAL DATA	SWBH-120
Power supply	~ 200 – 240 V; 1,2 A; 50/60 Hz
Inrush current	50 A
Efficiency	87%
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
Battery circuit protection SCP and reverse polarity connection	F _{BAT} fuse: F5A/250V
Deep discharge battery protection UVP	U<18 V (± 5%) – disconnection of battery circuit
Overload protection (OLP)	105 – 150% power, automatically recovered
Surge protection	varistors
Current consumption (during buffer operation)	approx. 30 mA
Connectors	Power input: Φ 0,63-2,50 (AWG 22-10) PoE power supply output: DC 2,1/5,5 plug BAT output: Battery wires 6,3F – 45cm
External dimensions	W=240, H=308, D=130 [+/- 2mm]
Installation	W ₁ =265, H ₁ =346 [+/- 2mm]
Space for battery	W=215, H=160, D=95 [+/- 2mm]
Cable gland height	H ₂ =37 [+/- 2mm]
Number of cable glands / cable diameter	3 pcs. / 13 - 18 mm + 1 pcs. / 10 - 14 mm
Gland filling inserts	4x Φ 5mm (3 pcs.); 3x Φ 5mm (2 pcs.); 2x Φ 5mm (1 pc.)
Enclosure	ABS enclosure, IP44
Closing	Screw x 4 (at front)
Additional equipment	Mounting screws (x4), DC wires, Gland filling inserts
Net/gross weight	3,5 / 3,8 [kg]
Protection class EN 62368-1	I (first)
Protection grade EN 60529	IP44

