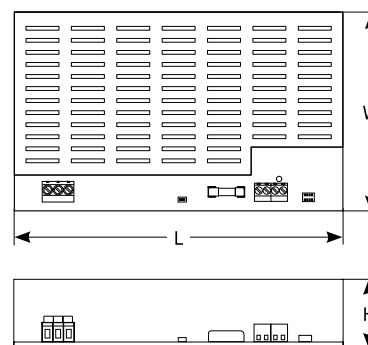


CODE: **PWB** v.1.0/l

EN

NAME: **Enclosed buffer switch mode POE power supply units**



Features:

- supply voltage ~200 - 240 V
- **DC 52 V** uninterruptible power supply available models: **1,15 A; 2,3 A**
- high efficiency (up to 87%)
- Built-in DC/DC converter allows reduce installation costs and stabilise output voltage regardless of battery charge status
- battery charging and maintenance control
- power supply dedicated for PoE power supply systems
- optional equipment: set of LED optical indication PKAZ168, mounting plate DIN4
- START function of manual switch to battery power
- LED optical indication
- deep discharge battery protection (UVP)
- battery output protection against short circuit and reverse connection
- protections:
 - SCP short circuit protection
 - OLP overload protection
 - surge protection
- warranty – 2 years from production date

DESTINATION

Switch mode buffer power supply units PWB are intended for continuous power supply to devices that require stabilised voltage of 52 V (e.g. **PoE power systems, PoE switches**). Rozwiązanie posiada dodatkowy atut w postaci stabilizacji napięcia wyjściowego bez względu na stan naładowania baterii. Built-in DC/DC converter allows to reduce costs of installation by reducing number of required batteries. Additional advantage is output voltage stabilisation regardless of battery charge status.

PARAMETERS OF POWER SUPPLIES:

Model	Output voltage AUX	Output current max.	Charging voltage	Charging current	Dimensions L × W × H [± 2mm]
PWB-52V1A	52 V	1,15 A	13,8 V	0,5 A	200 × 120 × 48
PWB-52V2A		2,3 A	27,6 V		204 × 141 × 52

TECHNICAL DATA	PWB-52V1A	PWB-52V2A
Supply voltage:	~ 200 - 240 V	
Current consumption:	0,7 A	1,2 A
Power frequency:	50/60 Hz	
Inrush current:	40 A	50 A
PSU power:	67 W	134 W
Output current max.:	1,15 A	2,3 A
Efficiency:	83%	87%
Output voltage:	52 V – AUX output 11 - 13,8 V – BAT output	52 V – AUX output 22 - 27,6 V – BAT output
Ripple voltage (max.):	100 mV p-p	
Current consumption by PSU during battery-assisted operation:	approx. 40 mA	approx. 30 mA
Recommended battery capacity:	7 – 20 Ah	7 – 20 Ah (2x)
Battery charging current:	0,5 A	0,5 A
Battery circuit protection SCP and reverse polarity connection:	- glass fuse	
Overload protection OLP:	110-150% PSU power, automatically recovered	
Deep discharge battery protection UVP:	U<9,5 V (± 5%) – disconnection of battery circuit	U<19 V (± 5%) – disconnection of battery circuit
Optical indication:	- LEDs on PCB of power supply unit - LED indicators on power supply's cover (optional)	
Operating conditions:	Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation	
Protection class EN 62368-1:	I (first)	
Protection grade EN 60529:	IP20	
Storage temperature:	-20°C...+60°C	
Vibrations and impulse waves during transport:	According to PN-83/T-42106	
Optional equipment:	Set of external LED indicators PKAZ168, mounting plate DIN4	
Declarations, warranty:	UKCA, CE, 2 years from production date	
Notes:	Convictional cooling	