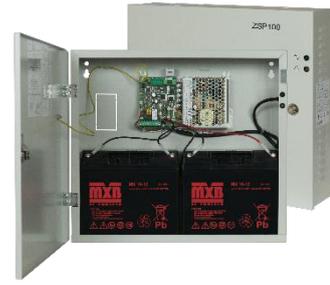


The ZSP100 power supplies are a source of uninterruptible 24 V voltage to the devices of:

- fire detection and fire alarm systems according to the EN 54-4 + AC + A1 + A2 standard
- heat and smoke control systems according to the EN 12101-10 + AC standard
- fire protection systems according to Ordinance of the Polish Minister of the Internal Affairs and Administration of 20 June 2007 (Journal of Laws No. 143, pos. 1002, as amended of 27 April 2010 Journal of Laws No. 85, pos. 553)



**Certificate of constancy of performance CNBOP-PIB No. 1438-CPR-0454**

**Declaration of performance No. DWU-MX-08**

**Certificate of Admittance CNBOP-PIB No. 4271/2021**



The power supplies meet the requirements of the directives and regulations LVD, EMC, CPR and RoHS 3



## MAIN FEATURES

- high efficiency under load and low power consumption for own needs
- two or five outputs, protected separately with fuses
- possibility to connect a module with additional outputs
- bulk charging with current limitation suitable for battery capacity
- temperature compensation of floating operation voltage and bulk charging
- LVDD
- battery circuit resistance measurement
- immunity against short circuit of battery input
- immunity to reverse battery connection
- two relay indication outputs
- external alarm input
- LED indication on the power supply cabinet
- internal, diagnostic LED indication
- possibility to connect a tamper switch
- immunity to difficult working conditions

## EQUIPMENT

- lockable metal wall box with a battery bank compartment
- LED indication of the operation of the power supply: mains and fault
- temperature probe connected permanently
- openings for glands on the side and in the upper part of the cabinet for self-opening
- remote indication: mains fault and general fault (NO and NC relay contacts available)
- fuse-protected output and battery circuits
- internal LVDD
- two-state external alarm input

## BASIC PARAMETERS

### Common Parameters

Nominal mains voltage	110 / 230 V +10% -15%
Nominal output voltage (in the temperature of 25°C)	27.1 V
Output voltage range	21.0...28.8 V <sup>1)</sup>
Number of cooperating batteries	2 x 12 V
Quiescent current consumption from a battery	12 / 17 / 25 mA <sup>2)</sup>
Nominal efficiency at battery charged	89%
Max. resistance of the battery circuit	100 / 150 / 250 mΩ <sup>2)</sup>
Number of outputs protected with separate fuses	2 or 5 <sup>2)</sup>
Working temperature	-5...+55°C
Protection degree according to EN 60529 + A1	IP 42
Functional / Environmental class of EN 12101-10 + AC	A / 2
Protection class of EN 62368-1 + A11	I

<sup>1)</sup> The range includes a voltage between the discharged battery voltage (at the end of the battery operation cycle) and the bulk charging voltage.

<sup>2)</sup> Depending on the type of power supply and the size of the battery used



### Individual parameters

Index	Output current		Battery capacity	Cabinet type
	I <sub>max b</sub>	I <sub>max a</sub>		
ZSP100-1.5A-07	1.5 A	1.1 A	7...9 Ah	7
ZSP100-1.5A-18		0.6 A	7...20 Ah	18
ZSP100-2.5A-07	2.5 A	2.1 A	7...9 Ah	7
ZSP100-2.5A-18		1.6 A	7...20 Ah	18
ZSP100-4.0A-07	4.0 A	3.6 A	7...9 Ah	7
ZSP100-4.0A-18		3.1 A	7...20 Ah	18
ZSP100-4.0A-40		2.0 A	17...45 Ah	40
ZSP100-5.5A-07	5.5 A	5.1 A	7...9 Ah	7
ZSP100-5.5A-18		4.6 A	7...20 Ah	18
ZSP100-5.5A-40		3.5 A	17...45 Ah	40
ZSP100-7.5A-18	7.5 A	6.6 A	7...20 Ah	18
ZSP100-7.5A-40		5.6 A	17...45 Ah	40
ZSP100-7.5A-75		4.3 A	17...75 Ah	75
ZSP100-10A-18	10 A	9.1 A	7...20 Ah	18
ZSP100-10A-40		8.1 A	17...45 Ah	40
ZSP100-10A-75		6.8 A	17...75 Ah	75
ZSP100-12A-18	12 A	11.1 A	7...20 Ah	18
ZSP100-12A-40		10.1 A	17...45 Ah	40
ZSP100-12A-75		8.8 A	17...75 Ah	75

Remarks:

Descriptions acc. to EN 54-4:

- I<sub>max a</sub>: maximum continuous current
- I<sub>max b</sub>: maximum current when battery charging is not required

ZSP100 power supplies require a separate battery order.

Cabinet type	7	18	40	75
Dimensions (W × H × D)	340 × 250 × 80 mm	395 × 356 × 96 mm	455 × 356 × 187 mm	555 × 406 × 187 mm
Approximate weight without batteries	3.3 kg	4.9 kg	7.5 kg	11 kg
Approximate weight with batteries	8.5 kg	17 kg	37 kg	58 kg

### SUGGESTED ADDITIONAL ACCESSORIES

- Output expansion module ZSP100-OUT6 including six additional, fuse protected outputs. Each of them has the LED indication of a blown fuse. The module transmits information on faults to the main power supply.
- Set for sensing switch "tamper" A ZSP TM-1 (switch and harness with connector)



### Exemplary order

Power supply for fire protection signaling and automation ZSP100-2.5A-18      2 pcs.  
 Battery 12 V / 18 Ah      4 pcs.  
 Set A ZSP TM-1      2 pcs.

### MANUFACTURER

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