

The ZSP135-DR power supplies are used to provide the uninterruptible voltage of 24V to the devices of:

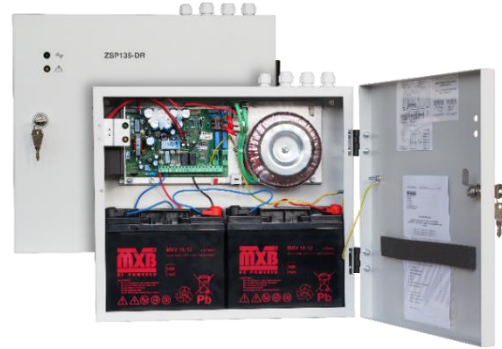
- fire detection acc. to EN 54-4 + AC + A1 + A2
- heat and smoke acc. to EN 12101-10 + AC
- fire protection acc. to Ordinance of the Polish Minister of the Internal Affairs and Administration of 20 June 2007 (Journal of Laws No. 143, pos. 1002, as amended of 27 April 2010)



- Certificate No. 1438/CPD/0163
- Declaration of performance No. DWU-MX-03
- Certificate of approval No. 5351/2024



- Certificate of Approval No. G 511007
- VdS guidelines applied: 2344, 2203, 2541, 2593, 2824, 2882



SECUREX 2012



FEATURES

- metal wall-mounted box with a lock holding two 12V batteries
- immunity to harsh operating conditions (-25...+75°C, IP44)
- temperature compensation of floating mode voltage and bulk charging voltage
- monitoring of battery circuit resistance and possibility to read out its value
- RS-232 / RS-485 communication
- low failure rate (0,5% during last 3 years)
- two outputs protected with separate fuses

EQUIPMENT

- LED signalization indicating the operation of the power supply
- remote indication: mains failure and battery failure (three relay contacts for each)
- overloading protection of output and battery circuits
- LVDD
- external alarm input
- three DW20-RM and one DW16-RM gland

COMPLIANCE WITH SAFETY STANDARDS, DIRECTIVES, EU REGULATIONS

- 2014/35/EU [LVD] Low voltage electrical devices
- 2014/30/EU [EMC] EMC compatibility
- 305/2011/EU [CPR] Harmonized conditions for the marketing of construction products
- 2011/65/EU [RoHS 2] Requirements on limitation of use of certain hazardous substances in electrical and electronic equipment, with the amendment introduced by Directive 2015/863 (RoHS 3)

BASIC PARAMETERS

Mechanical parameters

	Type of the box		
	[1]	[2]	[3]
Battery bank capacity ^{*1)}	18 Ah	28 Ah	40 Ah
Dimensions (W x H x D)	395 x 356 x 96 mm	395 x 356 x 144 mm	455 x 356 x 186 mm
Mounting			
dimensions of the box interior (W x H)	350 x 310 mm	350 x 310 mm	410 x 310 mm
dimensions with brackets (W x H)	350 x 370 mm	350 x 370 mm	410 x 370 mm
Weight without battery bank	6.4 kg	8.3 kg	11.0 kg
Weight with battery bank	18.0 kg	28.3 kg	42.3 kg

^{*1)} The battery of capacity 18 Ah could be substituted by a battery of 17 Ah.



Common Parameters

Nominal mains voltage	230 V +10% -15%
Nominal output voltage (in temperature of 25°C)	27,1 V
Output voltage range *)	20,8...28,0 V
Quiescent current consumption from a battery	max 35 mA
Max resistance of the battery circuit	250 mΩ
Number of supervised batteries	2
Number of outputs protected with separate fuses	2
Operating temperature (please, refer to the Manual)	-25...+55°C; 75°C for 2h
Relative humidity (no condensation)	20 - 90%
Protection class EN 60529	IP 44
Functional class EN 12101-10 + AC	A
Environmental class EN 12101-10 + AC	1
Environmental class VdS 2593	III
Protection class EN 60950-1 + A1 + A11 + A12 + A2	I

*) The range includes a voltage between the discharged battery voltage (at the end of the battery operation cycle) to the bulk charging voltage.

Current parameters

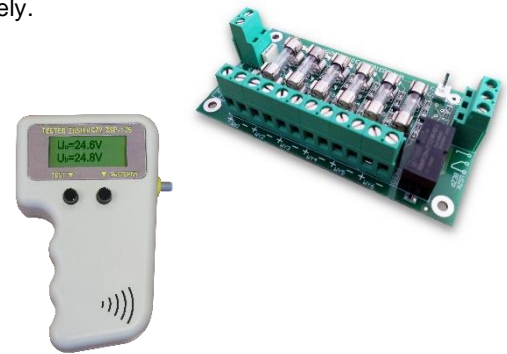
Type	Type of the box	I _{max_b}	Battery capacity	I _{max_a} EN 54-4	I _{max_a} EN 12101-10		
					72h	30h	4h
ZSP135-DR-2A-1	[1]	2 A	18 Ah	1.0 A	0.16 A	0.42 A	1.00 A
ZSP135-DR-3A-1	[1]	3 A	18 Ah	2.0 A	0.16 A	0.42 A	2.00 A
ZSP135-DR-3A-2	[2]	3 A	28 Ah	1.5 A	0.26 A	0.68 A	1.50 A
ZSP135-DR-5A-1	[1]	5 A	18 Ah	4.0 A	0.15 A	0.42 A	2.64 A
ZSP135-DR-5A-2	[2]	5 A	28 Ah	3.5 A	0.26 A	0.67 A	3.50 A
ZSP135-DR-5A-3	[3]	5 A	40 Ah	3.0 A	0.39 A	0.98 A	3.00 A
ZSP135-DR-7A-1	[1]	7 A	18 Ah	6.0 A	0.15 A	0.41 A	2.61 A
ZSP135-DR-7A-2	[2]	7 A	28 Ah	5.5 A	0.26 A	0.67 A	4.13 A
ZSP135-DR-7A-3	[3]	7 A	40 Ah	5.0 A	0.39 A	0.98 A	5.00 A

I_{max_b} and I_{max_a} designations according to EN 54-4 and EN 12101-10.

Batteries for the ZSP135-DR power Supplies should be ordered separately.

ADDITIONAL EQUIPMENT

- ZSP135-OUT6 module of additional outputs – it includes 6 outputs protected with fuses and is equipped with fault signalization to the main power supply
- ZSP135-TST - power supply tester



MANUFACTURER

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