



## ZDSO500 (DR2 • DR3)

### Power supplies for voice alarm systems

#### Intended use:

- voice alarm systems
- fire alarm systems

Basic parameters:	ZDSO500-DR2	ZDSO500-DR3
<b>Output parameters:</b>		
Power of the internal AC power supply	500 W	2 x 500 W
Number of amplifier outputs	6	11
Max. load on amplifier outputs	3 x 75 A 3 x 40 A	5 x 75 A 6 x 40 A
Number of auxiliary outputs	4	8
Max. total auxiliary outputs load	15 A	2 x 15 A
<b>Operation with a battery bank:</b>		
Number of battery banks	2	3
Maximum battery capacity	400 / 350 Ah (230 V / 115 VAC)	810 / 720 Ah (230 V / 115 VAC)
Floating voltage at 25°C	27.1 V	27.1 V
Max. charging current	18 A / 15 A (230 VAC / 115 VAC)	36 A / 30 A (230 VAC / 115 VAC)
Permissible resistance of each battery circuit	10...65mΩ	10...65mΩ

#### Features:

- 1U and 2U high, mounted in a standard 19" rack system
- microprocessor control system with advanced battery resistance measurement system
- front panel including:
  - » LED indicator (4 LEDs) of the power supply operating status
  - » USB connector for configuring the device with dedicated PC software
- back panel:
  - » 6 / 11 high current outputs to supply power amplifiers with internal fuses and blown fuse indication LED
  - » 4 / 8 guaranteed voltage outputs with internal fuses and blown fuse indication LED
  - » battery voltage equalization connector
- 3 relay indication outputs with NO and NC contacts
- 2 sockets for temperature sensors (measurement of the battery and ambient temperature)
- external fault input with LED signalization
- DIP-SW for selection of battery bank capacity and maximum battery circuit resistance
- optional Ethernet connector socket

Basic parameters:	ZDSO500-DR2	ZDSO500-DR3
Input voltage	230 V / 115 V	230 V / 115 V
Frequency	50/60 Hz	50/60 Hz
Maximum current drawn	2.9 A / 5.8 A	5.8 A / 11.6 A
Power factor	PF> 0.94 / 0.98	PF> 0.94 / 0.98
Efficiency	84%	84%
Operating temperature range	-5°C ... +45°C	-5°C ... +45°C
IP rating *	IP20	IP20
Dimensions (W x H x D) [mm]	483(19") x 42.5(1U) x 336	483(19") x 88.1(2U) x 336

\* In order to comply with the EN 54-4 standard, power supplies should be mounted in 19" cabinets with a minimum of IP 30 protection.