



STATIONARY BATTERIES

OpzS



OpzS/OpzV

OpzS batteries are standby batteries with tubular plates, especially designed as battery backup power for all industrial applications which demand low-maintenance as well as average and long discharges. The tubular design with lead selenium alloy guarantees a longer operating life, minimal maintenance and optimal performances in cyclic and standby applications.

Cell Type	Voltage	Capacity				Weight		Electrolyte		Terminals
						filled	dry	weight (kg.)	volume (litres)	
			X	Y	Z					
4 OPzS 200	2	200	103	206	430	18,6	14,5	4,1	3,3	2
5 OPzS 250	2	250	124	206	430	22,3	17,1	5,2	4,2	2
6 OPzS 300	2	300	145	206	430	25,9	19,7	6,2	5,0	2
5 OPzS 350	2	350	124	206	546	29,3	21,8	7,5	6,0	2
6 OPzS 420	2	420	145	206	546	34,5	25,5	9,0	7,3	2
7 OPzS 490	2	490	166	206	546	39,4	29,4	10,0	8,1	2
6 OPzS 600	2	600	145	206	721	47,6	35,2	12,4	10,0	2
7 OPzS 700	2	700	191	210	721	56,1	41,3	14,8	11,9	4
8 OPzS 800	2	800	191	210	721	63,9	47,4	16,5	13,3	4
9 OPzS 900	2	900	233	210	721	71,2	52,2	19,1	15,4	4
10 OPzS 1000	2	1000	233	210	721	77,4	56,9	20,5	16,5	4
11 OPzS 1100	2	1100	275	210	721	84,1	61,3	22,8	18,4	4
12 OPzS 1200	2	1200	275	210	721	90,3	65,7	24,6	19,8	4
12 OPzS 1500	2	1500	275	210	871	113,2	85,6	27,6	22,3	4
13 OPzS 1625	2	1625	399	214	847	125,2	95,3	29,9	24,1	6
14 OPzS 1750	2	1750	399	214	847	137,3	103,8	33,5	27,0	6
15 OPzS 1875	2	1875	399	214	847	147,4	109,6	37,8	30,5	6
16 OPzS 2000	2	2000	399	214	847	156,6	117,0	39,6	31,9	6
20 OPzS 2500	2	2500	487	212	847	196,4	146,7	49,7	40,1	8
24 OPzS 3000	2	3000	576	212	847	229,7	167,2	62,5	50,4	8

ADVANTAGES

- Refilling of the water only every 3 to 5 years in float charge use, under normal conditions
- Longer battery life: 15 years in float at 20°, even in cyclical use
- Flexible screwed connectors:
 - simple and easy connection
 - less accessories demanded
 - less time for maintenance & control
 - reduction of the tension is smaller in the connections
 - better protection against short-circuits
- Self-discharge less than 3 %
- Very low floating current

MAIN RANGES OF APPLICATION

Thanks to the OpzS stationary battery series, we can offer a reliable and environment-friendly energy source for back-up systems for innumerable applications, such as: telecom business, the railways, electricity cabins, uninterruptible power supplies, ups, electricity and nuclear power plants, wind and solar energy etc.

HOW TO ORDER A STATIONARY BATTERY?

- Type and reference of the battery
- Voltage & AH of the battery
- Size of the outerbox of the battery
- Lead-acid / AGM or GEL

If this data isn't available, we need the following information:

Dimensioning of the battery:

Parameters:

1. Which capacity in (K)watt or which constant current
2. Nominal tension of the battery (12V, 24V,...)
3. Autonomy
4. Minimal final tension
5. Ambient temperature (if possible).
Use the discharge tables (constant capacity per cell, or constant current) per final tension per autonomy.

E.g.: 12V, 240 watt, 1 hour:

$$\text{Capacity per cell} = 240 / 6 = 40A$$

When you take 1,75V/cell as final tension for 60 minutes

Choice: DAS12-33: 40,3 watt or DAS 12-44: 53,3 watt.

