



# STATIONARY BATTERIES

## OpzS/OpzV



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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, minimum maintenance and optimal performances in cyclic and standby applications.

Ref.	V	C100 (Ah)	C10 (Ah)	Length	Width	Height	Weight
<b>2V OPzS-cells open lead-acid</b>							
20PzS100	2V	225,0	100,0	103	206	420	13,70
30PzS150	2V	335,0	150,0	103	206	420	16,00
40PzS200	2V	423,0	200,0	103	206	420	18,00
50PzS250	2V	530,0	250,0	124	206	420	22,00
60PzS300	2V	636,0	300,0	145	206	420	26,00
50PzS350	2V	757,0	350,0	124	206	536	29,00
60PzS420	2V	908,0	420,0	145	206	536	34,00
70PzS490	2V	1063,0	490,0	166	206	536	39,00
60PzS600	2V	1152,0	600,0	145	206	631	50,00
70PzS700	2V	1284,0	700,0	210	191	631	60,00
80PzS800	2V	1712,0	800,0	210	191	631	65,00
90PzS900	2V	2014,0	900,0	210	233	631	73,00
100PzS1000	2V	2142,0	1000,0	210	233	631	78,00
110PzS1100	2V	1570,0	1100,0	210	275	721	84,10
120PzS1200	2V	2576,0	1200,0	210	275	711	93,00
120PzS1500	2V	3317,0	1500,0	210	275	861	119,00
130PzS1625	2V	2360,0	1625,0	212	397	780	29,90
140PzS1750	2V	2500,0	1750,0	212	397	780	143,00
150PzS1875	2V	4232,0	1875,0	212	397	780	149,00
160PzS2000	2V	4430,0	2000,0	212	397	837	160,00
200PzS2500	2V	5548,0	2500,0	212	487	837	200,00
240PzS3000	2V	6652,0	3000,0	212	576	837	240,00
<b>OPzS Block open lead-acid</b>							
OPzS-6/200	6V	212,0	200,0	272	205	392	47,00
OPzS-6/250	6V	266,0	250,0	380	205	392	61,00
OPzS-6/300	6V	314,0	300,0	380	205	392	68,00
OPzS-12/50	12V	58,0	50,0	272	205	392	39,00
OPzS-12/100	12V	106,0	100,0	272	205	392	50,00
OPzS-12/150	12V	159,0	150,0	380	205	392	69,00

Ref.	V	C100 (Ah)	C10 (Ah)	Length	Width	Height	Weight	Weight
<b>2V OPzV-cells sealed GEL (maintenance free)</b>								
40PzV200	2V	243,0	204,0	103	206	354	380	19,00
50PzV250	2V	303,0	255,0	124	206	354	380	23,00
60PzV300	2V	364,0	306,0	145	206	354	380	28,00
50PzV350	2V	425,0	357,0	124	206	471	496	31,00
60PzV420	2V	511,0	429,0	145	206	471	496	36,00
70PzV490	2V	595,0	500,0	166	206	471	496	41,00
60PzV600	2V	728,0	612,0	145	206	643	668	49,00
80PzV800	2V	971,0	816,0	210	191	644	669	65,00
100PzV1000	2V	1214,0	1020,0	210	233	646	671	80,00
120PzV1200	2V	1489,0	1251,0	210	275	645	670	93,00
120PzV1500	2V	1821,0	1530,0	210	275	796	821	115,00
160PzV2000	2V	2428,0	2040,0	214	399	771	796	155,00
200PzV2500	2V	3035,0	2550,0	214	487	769	794	200,00
240PzV3000	2V	3641,0	3060,0	214	576	771	796	235,00
<b>OPzV Block sealed GEL (maintenance free)</b>								
OPzV-6/200	6V	280,0	200,0	272	205	332	371	48,00
OPzV-6/250	6V	350,0	250,0	380	205	332	371	63,00
OPzV-6/300	6V	420,0	300,0	380	205	332	371	70,00
OPzV-12/50	12V	70,0	50,0	272	205	332	371	43,00
OPzV-12/100	12V	140,0	100,0	272	205	332	371	52,00
OPzV-12/150	12V	210,0	150,0	380	205	332	371	72,00

## 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

When this data aren't available, we need following information:

1. Dimensions of the battery
2. Which capacity in (K)watt or which constant current
3. Nominal tension of the battery (12V, 24V,...)
4. Autonomy
5. Minimal final tension
6. 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:

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.

