

Stationary

OPZS & OPZV



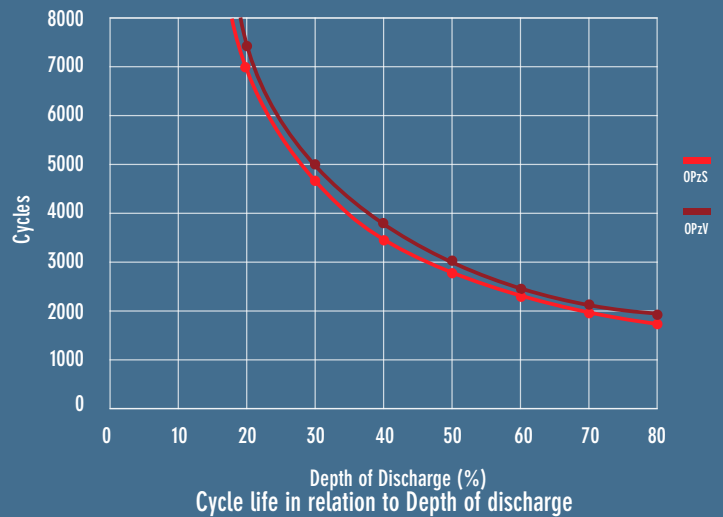
OPZS batteries are **stand-by batteries** with tubular plates, especially designed as battery backup power for all industrial applications which demand low-maintenance as well as average and long discharges.

The tubular design with lead selenium alloy guarantees a longer operating life, minimal maintenance and optimal performances in cyclic and standby applications.

BENEFITS

- 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

SERVICE LIFE: 2500 (OPZV) & 2300 (OPZS) CYCLES DOD 60%



APPLICATIONS



Traffic signal



Telecom



UPS



Power generation & utilities



Emergency lighting



Grid - Ancillary services



Railway

TECHNICAL INFORMATION

For more details about layouts & terminals, flip to page 75 for more information.



Ref.	Voltage (V)	Capacity (Ah/ C10)	Capacity (Ah/ C5)	Dimensions (mm)			Weight (kg)
				X	Y	H	
2V OPzS-cells open lead-acid							
20PzS100	2V	131	113	103	206	383	13,4
30PzS150	2V	187	162	103	206	383	15,6
40PzS200	2V	226	198	103	206	383	17,5
50PzS250	2V	283	249	125	206	383	21,2
60PzS300	2V	337	296	145	206	383	24,9
50PzS350	2V	418	373	125	206	499	28,6
60PzS420	2V	500	446	145	206	499	33,5
50PzS500	2V	570	511	166	206	499	38,40
70PzS490	2V	659	568	145	206	674	42,3
60PzS600	2V	730	638	145	206	674	46,5
70PzS700	2V	905	782	191	210	674	59,4
80PzS800	2V	976	855	191	210	674	63,5
90PzS900	2V	1116	974	233	210	674	73,5
100PzS1000	2V	1205	1055	233	210	674	77,6
110PzS1100	2V	1402	1218	275	210	674	87,7
120PzS1200	2V	1446	1268	275	210	674	91,9
110PzS1375	2V	1699	1503	275	210	825	108,9
120PzS1500	2V	1747	1563	275	210	825	114,1
140PzS1750	2V	2156	1909	399	214	800	145,9
150PzS1875	2V	2250	2003	399	214	800	151,0
160PzS2000	2V	2331	2087	399	214	800	156,2
180PzS2250	2V	2808	2479	487	212	800	183,7
200PzS2500	2V	3060	2714	487	212	800	194,1
220PzS2750	2V	3276	2909	576	212	800	219,7
240PzS3000	2V	3497	3115	576	212	800	229,9
260PzS3250	2V	3671	3301	576	212	800	143,0
OPzS Block open lead-acid							
3 OPzS 150	6V	180	156	233	224	394	41,2
4 OPzS 200	6V	220	193	272	205	375	46,9
5 OPzS 250	6V	292	254	380	205	375	60,8
6 OPzS 300	6V	321	284	380	205	375	67,2
1 OPzS 50	12V	64	55	272	205	375	40,9
2 OPzS 100	12V	109	97	272	205	375	49,3
3 OPzS 150	12V	159	142	380	205	375	69,5



Ref.	Voltage (V)	Capacity (Ah/ C10)	Capacity (Ah/ C5)	Dimensions (mm)			Weight (kg)
				X	Y	H	
2V OPzV-cells sealed GEL (maintenance free)							
20PzV100	2V	122	108	103	206	382	13,6
30PzV150	2V	183	162	103	206	382	15,8
40PzV200	2V	244	216	103	206	382	18,2
50PzV250	2V	305	270	124	206	382	21,9
60PzV300	2V	366	324	145	206	382	25,9
50PzV350	2V	435	385	124	206	499	30,1
60PzV420	2V	522	463	145	206	499	35,6
70PzV490	2V	609	540	166	206	499	41,0
50PzV500	2V	625	552	145	206	671	43,9
60PzV600	2V	750	663	145	206	671	48,3
70PzV700	2V	875	773	191	210	672	61,1
80PzV800	2V	1000	884	191	210	672	65,5
90PzV900	2V	1125	994	233	210	674	76,0
100PzV1000	2V	1250	1105	233	210	674	80,4
110PzS1100	2V	1375	1215	275	210	673	90,8
120PzV1200	2V	1500	1326	275	210	673	95,3
110PzS1375	2V	1573	1386	275	210	824	105,1
120PzV1500	2V	1716	1512	275	210	824	110,2
140PzV1750	2V	2002	1764	399	214	799	146,0
150PzV1875	2V	2145	1890	399	214	799	151,1
160PzV2000	2V	2288	2016	399	214	799	156,2
180PzV2250	2V	2574	2269	487	212	797	185,2
200PzV2500	2V	2860	2521	487	212	797	195,3
220PzV2750	2V	3146	2772	576	212	799	221,2
240PzV3000	2V	3432	3023	576	212	799	231,6
260PzV3250	2V	3718	3273	576	212	799	241,8
OPzV Block sealed GEL (maintenance free)							
4 OPzV 200	6V	220	198	272	205	372	48,5
5 OPzV 250	6V	275	248	380	205	372	62,9
6 OPzV 300	6V	330	297	380	205	372	69,8
1 OPzV 50	12V	54	49	272	205	372	42,2
2 OPzV 100	12V	108	98	272	205	372	50,6
3 OPzV 150	12V	162	146	380	205	372	71,8

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.

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.

CHARACTERISTICS

- Minimum Maintenance Requirements
- Operational Safety
- Excellent Capacity Performance
- Long Cycle Life - up to 20 years (OPzS) 18 years (OPzV)
- Fully Recyclable Product - Circular Economy Enabler
- OPzV: Flexible installation, variants available for vertical or horizontal Installation