

Classic OPzS

Developed from experience – produced for safe power supply

Classic OPzS batteries have been proven energy suppliers for decades, which convince in robustness, reliability and extremely long design- or cycle life.

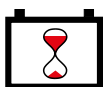


Your benefits:

- > **Optimised plate design** – increased capacities compared to standard DIN OPzS
- > **Tubular plates in block and single cell version** – most robust design
- > **Excellent standby and cycling behaviour** – long life
- > **Completely recyclable** – low CO₂ footprint

Specifications:

- > Very high operational reliability under rough operating conditions
- > Low maintenance due to optimised alloy and large electrolyte reserve
- > Nominal capacity 50 – 3350 Ah C₁₀; up to 12000 Ah on request
- > 20 years design life at 20 °C ambient temperature (80 % remaining capacity from C₁₀)
- > Container made from high quality transparent or translucent plastics
- > Also available in dry charged condition with separate electrolyte
- > Low gassing (EN 50272-2) thanks to low antimony alloy: < 2% for cells; < 3% for blocks
- > Designed in accordance with IEC 60896-11, DIN 40736 and DIN 40737 T3
- > Electrolyte: diluted sulphuric acid d_N = 1.24 kg/l
- > Manufactured in Europe in our ISO 9001 certified production plants



20 years design life



Nominal capacity
50.0 – 3350 Ah
(up to 12000 Ah on request)



Block battery / Single cell



Tubular plate



Recyclable



Low maintenance

Classic OPzS

Technical data

Technical characteristics and data

Type acc. DIN 40 737 T3 blocks 40 736 T1 cells	Part number	Nom. voltage V	Nominal capacity C_{10} 1.80 V_{pc} 20 °C Ah	Length (l) max. mm	Width (b/w) max. mm	Height* (h1) max. mm	Installed length (B/L) mm	Weight incl. acid** approx. kg	Weight acid*** approx. kg	Internal resistance mOhm	Short circuit current A	Terminal	Pole pairs
6V 4 OPzS 200 LA	NVZS060200WC0FB	6	200	272	206	347	282	41.0	13.0	2.68	2283	F-M8	1
6V 5 OPzS 250 LA	NVZS060250WC0FB	6	250	380	206	347	392	56.0	20.0	2.39	2800	F-M8	1
6V 6 OPzS 300 LA	NVZS060300WC0FB	6	300	380	206	347	392	63.0	20.0	1.96	3106	F-M8	1
12V 1 OPzS 50 LA	NVZS120050WC0FB	12	50.0	272	206	347	282	34.0	15.0	18.1	688	F-M8	1
12V 2 OPzS 100 LA	NVZS120100WC0FB	12	100	272	206	347	282	43.0	14.0	9.26	1314	F-M8	1
12V 3 OPzS 150 LA	NVZS120150WC0FB	12	150	380	206	347	392	64.0	19.0	6.46	1884	F-M8	1
2 OPzS 100 LA	NVZS020100WC0FB	2	105	105	208	395	115	13.7	5.20	1.45	1400	F-M8	1
3 OPzS 150 LA	NVZS020150WC0FB	2	158	105	208	395	115	15.2	5.00	1.05	1950	F-M8	1
4 OPzS 200 LA	NVZS020200WC0FB	2	210	105	208	395	115	16.6	4.60	0.83	2450	F-M8	1
5 OPzS 250 LA	NVZS020250WC0FB	2	260	126	208	395	136	20.0	5.80	0.72	2850	F-M8	1
6 OPzS 300 LA	NVZS020300WC0FB	2	310	147	208	395	157	23.3	6.90	0.63	3250	F-M8	1
5 OPzS 350 LA	NVZS020350WC0FB	2	380	126	208	511	136	26.7	8.10	0.63	3250	F-M8	1
6 OPzS 420 LA	NVZS020420WC0FB	2	455	147	208	511	157	31.0	9.30	0.56	3650	F-M8	1
7 OPzS 490 LA	NVZS020490WC0FB	2	530	168	208	511	178	35.4	10.8	0.50	4100	F-M8	1
6 OPzS 600 LA	NVZS020600WC0FB	2	680	147	208	686	157	43.9	13.0	0.47	4350	F-M8	1
7 OPzS 700 LA	NVZS020700WC0FB	2	750	147	208	686	157	47.2	12.8	0.43	4800	F-M8	1
8 OPzS 800 LA	NVZS020800WC0FB	2	910	212	193	686	222	59.9	17.1	0.30	6800	F-M8	2
9 OPzS 900 LA	NVZS020900WC0FB	2	980	212	193	686	222	63.4	16.8	0.27	7500	F-M8	2
10 OPzS 1000 LA	NVZS021000WC0FB	2	1140	212	235	686	222	73.2	21.7	0.26	7900	F-M8	2
12 OPzS 1200 LA	NVZS021200WC0FB	2	1370	212	277	686	222	86.4	26.1	0.23	8900	F-M8	2
12 OPzS 1500 LA	NVZS021500WC0FB	2	1700	212	277	836	222	108	33.7	0.24	8500	F-M8	2
14 OPzS 1750 LA	NVZS021750WC0FB	2	1800	212	277	836	222	114	32.7	0.22	9300	F-M8	2
16 OPzS 2000 LA	NVZS022000WC0FA	2	2250	215	400	812	225	151	50.0	0.16	12800	F-M8	3
18 OPzS 2250 LA	NVZS022250WC0FA	2	2450	215	400	812	225	158	48.0	0.14	14600	F-M8	3
20 OPzS 2500 LA	NVZS022500WC0FA	2	2800	215	490	812	225	184	60.0	0.12	17000	F-M8	4
22 OPzS 2750 LA	NVZS022750WC0FA	2	3000	215	490	812	225	191	58.0	0.11	17800	F-M8	4
24 OPzS 3000 LA	NVZS023000WC0FA	2	3350	215	580	812	225	217	71.0	0.11	18600	F-M8	4

* Includes installed connector, the above mentioned height can differ depending on the used vent(s)

** Actual weight may differ by $\pm 5\%$

*** Acid density $d_N = 1.24$ kg/l

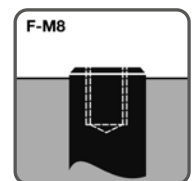
Container, terminal and torque

> **Container:** PP blocks
SAN (Styrene acrylonitrile) cells

Data are also valid for dry charged version.
Change »W« (wet) to »D« (dry) in the part number. E.g.:

> **filled and charged:** NVZS120050 W C0FB

> **dry charged:** NVZS120050 D C0FB



12 Nm for blocks;
20 Nm for cells