

Batteries OPzS range



Long life - High tolerance to cycling

OPzS batteries provided by AET Solion are low maintenance stationary batteries and are especially designed for capacitive discharges with autonomy from some minutes up to many hours. They are optimised for solar applications and have proven in many photovoltaic installations, that they are durable even at deep discharges (C-120, C-200), which can occur in stand-alone PV installations.

- **Design life of 15 years at 20° C**
in standby parallel operation, proven in the field. Long working life even with CYCLIC discharges IEC 896-1 cycles > 1200 (ref. to 80% of C-10h)
- **Water refilling interval approximately 3 years**
in standby parallel operation due to plate alloys, therefore the need for maintenance is minimised.
- **High operational efficiency and reliability**
Very high mechanical and corrosion - resistant construction due to TUBULAR plate technology.
- **Deep - discharge recovery of tubular design**
Due to tubular plates, the cells can be fully recharged even after a not avoided deep discharge.
- **Cost - effective battery solution**
For all applications where high autonomy, extended working life, low maintenance and high operational safety are specified.

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Stationary cells with tubular positive plates acc. to DIN 40736 / part 1							
OPzS low-antimony (LA) / low maintenance types							
Cell type	Cell Voltage	Standard DIN C-10 at $U_s=1,80$ V/c	Solar systems C-100h at $U_s=1,88$ V/c	Cell dimensions in mm			Weight (filled)
				Length	Width	Height	± 5%
2V/ 4 OPzS 200	2 V	200	290	103	206	395	16 kg
2V/ 5 OPzS 250		250	370	124	206	395	21 kg
2V/ 6 OPzS 300		300	440	145	206	395	24,4 kg
2V/ 5 OPzS 350		350	520	124	206	515	27,3 kg
2V/ 6 OPzS 420		420	620	145	206	515	32,1 kg
2V/ 7 OPzS 490		490	730	166	206	515	36,8 kg
2V/ 6 OPzS 600		600	870	145	206	695	45,3 kg
2V/ 7 OPzS 700		700	1020	210	191	695	58,5 kg
2V/ 8 OPzS 800		800	1160	210	191	695	61,2 kg
2V/ 12 OPzS 1200		1200	1740	210	275	695	88,2 kg
2V/ 12 OPzS 1500		1500	2220	210	275	845	112,6 kg
2V/ 16 OPzS 2000		2000	2960	212	399	825	155,8 kg
2V/ 20 OPzS 2500		2500	3700	212	487	825	195,5 kg
2V/ 24 OPzS 3000		3000	4440	212	576	825	232 kg