

OPzS batteries

www.victronenergy.com



Battery OPzS

Long life flooded tubular plate batteries

Design life: >20 years at 20°C, >10 years at 30°C, >5 years at 40°C.
Cycling expectancy of up to 1500 cycles at 80% depth of discharge.
Manufactured according to DIN 40736, EN 60896 and IEC 896-1.

Low maintenance

Under normal operating conditions and 20°C, distilled water has to be added every 2 – 3 years.

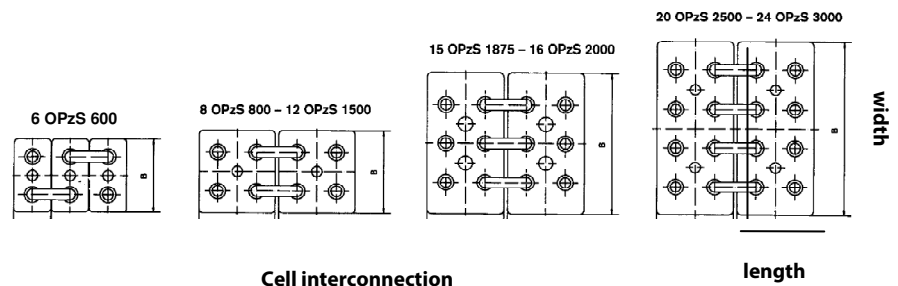
Dry-charged or ready for use electrolyte filled

The batteries are available filled with electrolyte or dry-charged (for long term stocking, container transport or air transport). Dry charged batteries have to be filled with diluted sulphuric acid (density 1,24kg/l @ 20°C). The electrolyte may be stronger for cold- or weaker for hot climates.

Learn more about batteries and battery charging

To learn more about batteries and charging batteries, please refer to our book 'Energy Unlimited' (available free of charge from Victron Energy and downloadable from www.victronenergy.com).

OPzS type	6 OPzS 600	8 OPzS 800	10 OPzS 1000	12 OPzS 1200	12 OPzS 1500	16 OPzS 2000	20 OPzS 2500	24 OPzS 3000
Nominal capacity (10 hr / 20°C)	600 Ah	800 Ah	1000 Ah	1200 Ah	1500 Ah	2000 Ah	2500 Ah	3000 Ah
Capacity 2 / 5 / 10 / 24 / 96 hours (% of nominal)	60 / 85 / 100 / 120 / 150 (@ 68°F/20°C, end of discharge 1,8 Volt per cell)							
Self-discharge @ 70°F/20°C	3% per month							
Absorption voltage (V) @ 70°F/20°C	2,35 to 2,50 V/cell (28,2 to 30,0 V for a 24 Volt battery)							
Float voltage (V) @ 70°F/20°C	2,23 to 2,30 V/cell (26,8 to 27,6 V for a 24 Volt battery)							
Storage voltage (V) @ 70°F/20°C	2,18 to 2,22 V/cell (26,2 to 26,6 V for a 24 Volt battery)							
Float design life @ 70°F/20°C	20 years							
Cycle design life @ 80% discharge	1500							
Cycle design life @ 50% discharge	2500							
Cycle design life @ 30% discharge	4000							
Dimensions (lxwxh, mm)	147 x 208 x 666	191 x 210 x 666	233 x 210 x 666	275 x 210 x 666	275 x 210 x 821	397 x 212 x 797	487 x 212 x 797	576 x 212 x 797
Dimensions (lxwxh, inches)	5,8 x 8,2 x 26,3	7,5 x 8,2 x 26,3	9,2 x 8,2 x 26,3	10,8 x 8,2 x 26,3	10,8 x 8,2 x 32,4	15,7 x 8,4 x 31,4	19,2 x 8,4 x 31,4	22,7 x 8,4 x 31,4
Weight without acid (kg / pounds)	35 / 77	46 / 101	57 / 126	66 / 146	88 / 194	115 / 254	145 / 320	170 / 375
Weight with acid (kg / pounds)	50 / 110	65 / 143	80 / 177	93 / 205	119 / 262	160 / 253	200 / 441	240 / 530



Cell interconnection

length

width