



24 OPzS 3000

2V - 3000 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	3208 Ah
	C5 / 1,77V	2752 Ah
	C3 / 1,75V	2382 Ah
	C1 / 1,67V	1739 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,12 mΩ
Float Charge	+/- 1%	2,23 Volt
Boost Charge	+/- 1%	2,35-2,40 Volt
Boost Charge Max. current	Max 6h	1,5x I10 Ampere
Short Circuit		17390 Ampere
Temperature correction factor		- 4 mVolt / °C

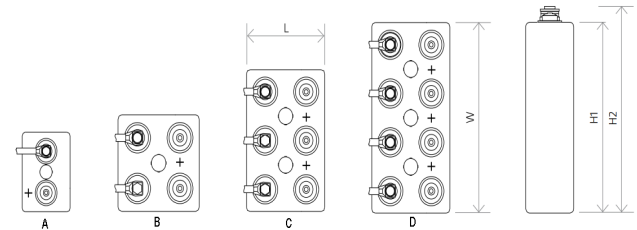
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	212x576x837 mm
Total Height (H2)	837 mm
Operation temp	-20 to 55 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 % Max.
Case / pole settings	ABS / D A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight (Dry / Wet)	170 / 240 kg

Innovative Features

- Positive electrode tubular - plate with a polyester gauntlet in Corrosion resistant LA-PbSbSe - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- Electrolyte sulphuric acid with a density of 1,24 kg/l
- ABS, high impact transparent SAN container
- Plug for arresting aerosols - ceramic plugs according DIN 40 740
- Sliding Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion pole
- Connectors, flexible insulated copper cables

Dimensions / Pole settings



Constant Current Discharge - Ampere @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	777	760	735	636	524	458	399	356	294	254	161
1,87	1032	992	925	727	596	513	452	400	333	284	162
1,83	1319	1258	1104	851	684	576	504	441	365	308	171
1,80	1573	1475	1235	930	738	618	536	466	383	321	181
1,75	1911	1733	1409	1018	794	656	565	481	398	330	185
1,70	2337	2025	1540	1079	826	672	582	500	410	333	187

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	1479	1450	1410	1228	1017	891	775	695	574	500	320
1,87	1947	1872	1752	1388	1143	993	877	776	647	556	318
1,83	2432	2333	2043	1597	1297	1096	962	847	705	595	335
1,80	2868	2694	2274	1732	1386	1164	1013	885	736	615	355
1,75	3406	3127	2566	1878	1479	1228	1065	908	760	628	362
1,70	4058	3607	2778	1981	1523	1252	1092	942	787	632	355

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