



12 OPzS 1500

2V - 1500 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	1613 Ah
	C5 / 1,77V	1381 Ah
	C3 / 1,75V	1196 Ah
	C1 / 1,67V	873 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,23 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		8605 Ampere
Temperature correction factor		- 4 mVolt / °C

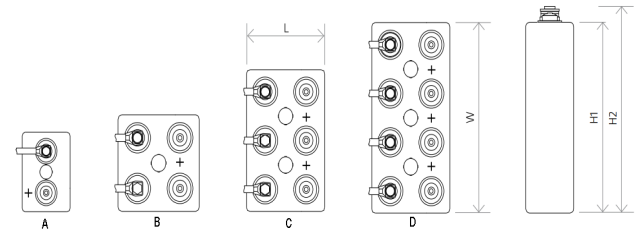
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	210x275x861 mm
Total Height (H2)	861 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 / B A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight (Dry / Wet)	88 / 119 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	402	393	368	318	262	229	199	179	147	127	80
1,87	513	494	462	365	299	258	226	200	167	142	82
1,83	662	627	552	427	344	289	253	220	183	155	86
1,80	791	743	617	467	370	310	269	233	192	161	91
1,75	949	863	701	511	399	329	284	241	198	166	93
1,70	1161	1008	770	541	415	338	292	250	204	167	94

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	765	751	705	614	508	445	387	349	286	250	160
1,87	967	933	875	697	573	499	440	388	325	278	160
1,83	1221	1163	1021	802	652	550	483	423	354	299	169
1,80	1441	1357	1136	869	695	584	508	443	369	309	178
1,75	1691	1557	1276	944	742	617	534	454	379	316	182
1,70	2016	1795	1389	995	765	630	549	471	392	317	179

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