



20 OPzS 2500

2V - 2500 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	2675 Ah
	C5 / 1,77V	2295 Ah
	C3 / 1,75V	1988 Ah
	C1 / 1,67V	1452 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,13 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		15007 Ampere
Temperature correction factor		- 4 mVolt / °C

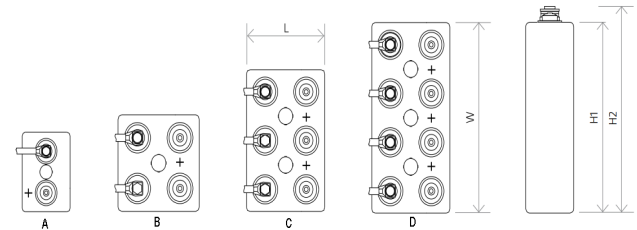
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	212x487x837 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)	145 / 200 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	648	634	613	530	436	381	332	297	245	211	134
1,87	869	819	775	609	497	428	377	333	277	237	136
1,83	1110	1059	926	712	571	481	420	367	304	257	143
1,80	1325	1241	1036	779	616	515	447	388	319	268	151
1,75	1608	1458	1178	854	663	547	471	401	330	275	155
1,70	1965	1703	1293	904	689	561	485	416	340	278	156

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	1232	1209	1175	1024	847	742	646	579	478	416	266
1,87	1639	1545	1469	1162	952	828	732	647	540	463	266
1,83	2047	1964	1713	1337	1083	915	802	705	587	497	280
1,80	2416	2265	1907	1450	1156	971	845	738	613	513	295
1,75	2866	2630	2145	1575	1234	1025	888	756	629	524	302
1,70	3411	3033	2332	1660	1271	1044	911	784	652	527	297

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