



12 OPzS 1200

2V - 1200 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	1278 Ah
	C5 / 1,77V	1088 Ah
	C3 / 1,75V	954 Ah
	C1 / 1,67V	696 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		8814 Ampere
Temperature correction factor		- 4 mVolt / °C

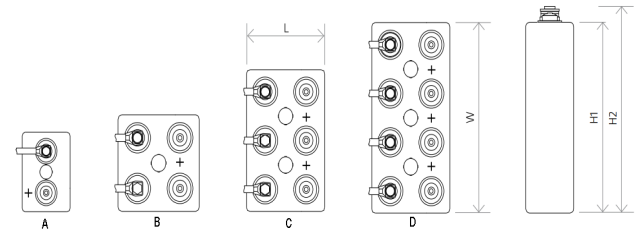
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	210x275x711 mm
Total Height (H2)	711 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)	66 / 93 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	374	364	349	274	223	190	164	148	122	107	64
1,87	501	475	404	313	254	215	187	162	135	117	67
1,83	635	582	478	356	283	238	204	177	147	125	69
1,80	758	659	531	382	302	250	215	185	153	128	71
1,75	900	763	602	413	318	260	220	186	154	130	72
1,70	1028	857	645	432	325	264	230	193	158	132	72

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	712	694	669	529	433	370	319	289	237	210	127
1,87	945	897	766	597	487	417	364	315	263	228	130
1,83	1171	1080	884	669	536	452	390	339	284	241	135
1,80	1382	1203	977	711	567	472	406	352	294	245	138
1,75	1604	1376	1096	762	592	488	415	351	294	248	140
1,70	1785	1526	1164	793	600	492	431	364	304	250	137

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