



2 OPzS 100

2V - 100 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	107 Ah
	C5 / 1,77V	94 Ah
	C3 / 1,75V	82 Ah
	C1 / 1,67V	60 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 1,48 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		1350 Ampere
Temperature correction factor		- 4 mVolt / °C

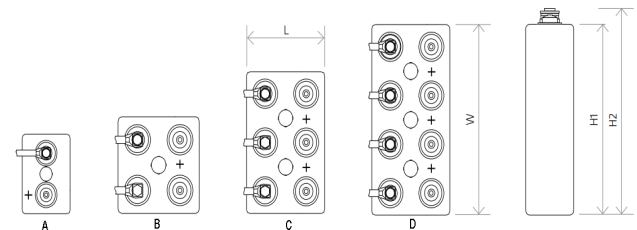
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	103x206x420 mm
Total Height (H2)	420 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 / A A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight (Dry / Wet)	8,7 / 13,7 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	46	41	34	24	19	16	14	12,4	10,4	8,9	4,1
1,87	63	53	41	29	23	19	17	13,4	11,7	10,0	4,7
1,83	76	63	47	32	25	21	18	14,6	12,4	10,7	4,8
1,80	86	69	50	36	26	22	19	15,3	13,0	10,7	6,0
1,75	100	77	54	36	27	22	19	15,1	13,0	10,9	6,1
1,70	109	86	58	36	28	22	20	15,6	13,4	11,0	6,1

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	87	79	65	46	37	31	27	24	20	17,6	8,2
1,87	118	100	78	55	44	37	32	26	23	19,6	9,2
1,83	140	117	87	61	48	39	34	28	24	20,6	9,4
1,80	157	127	93	68	50	41	35	29	25	20,5	11,8
1,75	179	139	99	66	51	42	36	28	25	20,7	11,9
1,70	189	153	105	67	51	42	37	29	26	20,8	11,6

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