



5 OPzS 250

2V - 250 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	259 Ah
	C5 / 1,77V	224 Ah
	C3 / 1,75V	197 Ah
	C1 / 1,67V	114 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,69 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		3887 Ampere
Temperature correction factor		- 4 mVolt / °C

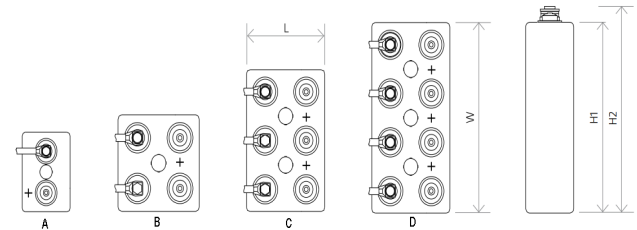
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	124x206x420 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)	16 / 22 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	114	103	84	60	48	40	35	32	26	23	11,5
1,87	147	123	96	69	54	45	39	34	28	24	12,4
1,83	181	149	111	76	60	50	42	37	30	26	12,7
1,80	206	165	120	81	63	52	44	39	31	26	14,5
1,75	243	185	130	85	66	53	45	39	31	26	14,8
1,70	268	204	138	87	67	54	47	40	32	27	14,9

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	217	196	160	116	94	79	69	63	51	45	23
1,87	277	233	183	131	104	88	76	66	55	47	24
1,83	333	276	205	143	113	94	81	70	58	50	25
1,80	376	302	220	151	118	98	84	74	60	50	28
1,75	433	334	236	158	122	100	85	73	60	50	29
1,70	465	364	249	160	123	100	88	76	62	51	28

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