



6 OPzS 420

2V - 420 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	454 Ah
	C5 / 1,77V	389 Ah
	C3 / 1,75V	336 Ah
	C1 / 1,67V	245 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,55 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		3641 Ampere
Temperature correction factor		- 4 mVolt / °C

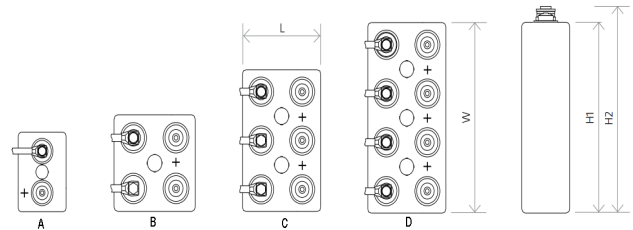
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	145x206x536 mm
Total Height (H2)	536 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)	24 / 34 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	156	151	136	100	81	67	59	53	44	39	23
1,87	210	192	156	115	92	76	67	58	49	41	24
1,83	262	230	182	129	102	84	73	63	52	44	25
1,80	298	257	198	138	108	89	77	67	54	45	25
1,75	353	291	218	148	112	92	79	67	55	47	26
1,70	400	320	234	150	114	92	81	70	57	46	26

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	297	289	261	193	156	130	114	103	86	78	46
1,87	397	362	295	220	176	148	129	112	95	81	46
1,83	483	426	337	243	193	160	140	122	101	85	49
1,80	544	470	365	256	202	167	146	127	105	87	49
1,75	629	525	397	272	209	172	148	126	106	89	50
1,70	695	571	423	275	210	172	152	131	109	88	49

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