



7 OPzS 490

2V - 490 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	532 Ah
	C5 / 1,77V	454 Ah
	C3 / 1,75V	392 Ah
	C1 / 1,67V	286 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,48 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		4169 Ampere
Temperature correction factor		- 4 mVolt / °C

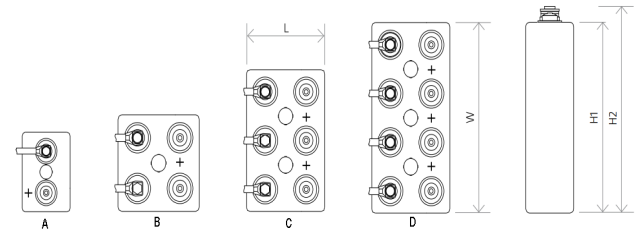
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	166x206x536 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)	28 / 39 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	182	177	159	116	94	78	69	62	51	46	27
1,87	244	223	180	134	107	88	78	68	56	48	27
1,83	304	266	221	151	119	98	86	74	61	52	29
1,80	346	298	230	161	126	103	90	78	64	53	30
1,75	410	338	253	172	131	106	92	79	64	54	30
1,70	465	371	267	174	133	108	94	81	66	54	30

Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	346	337	304	224	182	152	134	120	100	90	54
1,87	461	421	342	256	205	171	151	132	110	94	54
1,83	561	494	408	283	225	187	163	142	118	100	57
1,80	631	544	424	299	237	195	170	148	122	102	58
1,75	731	609	460	317	244	199	173	148	123	103	58
1,70	806	661	482	320	245	201	177	153	127	102	57

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