



6 OPzV 420

2V - 420 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	429 Ah
	C5 / 1,77V	360 Ah
	C3 / 1,75V	315 Ah
	C1 / 1,67V	222 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,61 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		3350 Ampere
Temperature correction factor		- 4 mVolt / °C

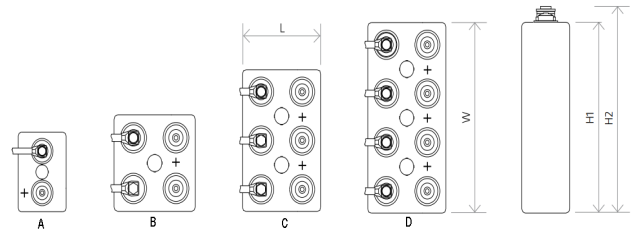
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	145x206x471 mm
Total Height (H2)	496 mm
Operation temp	-20 to 45 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 %
Case / pole settings	ABS / A A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight	36 kg

Innovative Features

- Positive electrode tubular PbCaSn - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- 1,24 kg/l Electrolyte sulphuric acid - fixed as Gel by silica
- ABS, high impact container
- Valve pressure 50-100 mbar with flame arrestor
- Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion sliding-pole
- Connectors, flexible insulated copper cables, with cross-section of 35-90 mm²

Dimensions / Pole settings



Constant Current Discharge - Ampere @ 20°C

V/Cell	15 min	20 min	30 min	60 min	90min	2h	3h	4h	5h	6h	7h	8h	10h	20h
1,90	173	167	158	127	107	95	76	64	55	49	44	40	34,1	20,1
1,85	245	231	209	164	136	118	92	76	65	57	52	47	39,1	22,5
1,80	307	285	255	197	161	135	100	82	72	63	56	51	43,6	24,5
1,75	359	334	291	208	173	142	105	87	75	65	58	52	43,6	24,5
1,70	410	374	323	213	172	148	110	88	75	65	58	52	43,6	24,5
1,65	456	409	348	235	180	151	112	89	75	65	58	52	43,6	24,5

Constant Power Discharge - Watt @ 20°C

V/Cell	15 min	20 min	30 min	60 min	90min	2h	3h	4h	5h	6h	7h	8h	10h	20h
1,90	329	318	301	244	206	182	148	125	108	95	86	78	67,1	39,7
1,85	457	432	391	307	256	223	175	146	126	111	100	90	76,0	44,1
1,80	560	520	466	363	298	251	188	155	137	120	108	98	83,6	48,0
1,75	640	599	525	379	317	262	196	163	142	123	110	100	83,6	48,0
1,70	712	657	575	385	313	272	203	166	142	123	110	100	83,0	47,8
1,65	782	710	613	419	324	274	204	166	142	123	109	99	82,7	46,6

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