



10 OPzV 1000

2V - 1000 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	1020 Ah
	C5 / 1,77V	860 Ah
	C3 / 1,75V	750 Ah
	C1 / 1,67V	520 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,30 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		6760 Ampere
Temperature correction factor		- 4 mVolt / °C

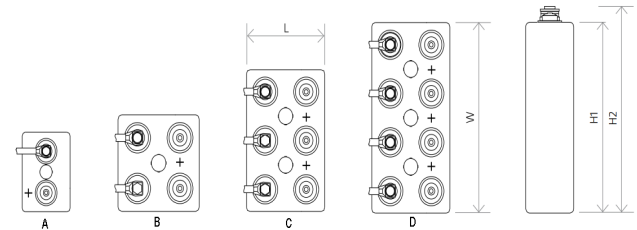
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	210x233x646 mm
Total Height (H2)	671 mm
Operation temp	-20 to 45 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 %
Case / pole settings	ABS / B A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight	80 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	376	369	356	305	258	225	181	153	132	116	105	95	81	47,7
1,85	554	521	489	387	316	280	218	181	156	137	123	111	93	53,6
1,80	696	663	598	468	384	324	239	198	172	150	134	121	104	58,4
1,75	830	762	686	506	397	341	250	209	180	155	138	124	104	58,4
1,70	950	863	770	517	431	353	265	215	180	155	138	124	104	58,4
1,65	1055	947	822	565	430	361	269	215	180	155	138	124	104	58,4

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	716	703	679	585	496	434	351	298	257	227	205	186	160	94
1,85	1033	974	915	725	595	530	416	347	300	264	238	215	181	105
1,80	1269	1209	1092	862	712	603	449	373	325	285	256	232	200	115
1,75	1479	1366	1238	921	728	629	466	391	339	292	262	238	200	115
1,70	1649	1516	1371	933	785	648	489	401	339	292	262	237	198	114
1,65	1810	1645	1448	1008	774	656	491	401	338	292	260	234	197	111

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