



8 OPzV 800

2V - 800 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	816 Ah
	C5 / 1,77V	688 Ah
	C3 / 1,75V	600 Ah
	C1 / 1,67V	416 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,38 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		5390 Ampere
Temperature correction factor		- 4 mVolt / °C

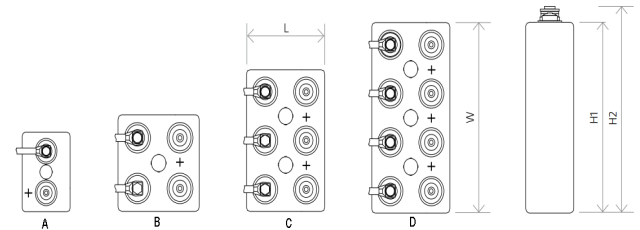
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	210x191x664 mm
Total Height (H2)	669 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	65 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	317	303	289	244	203	180	145	122	106	93	84	76	65	38,2
1,85	467	429	391	310	263	224	174	145	124	109	98	89	74	42,9
1,80	581	552	489	374	303	258	188	157	138	120	107	97	83	46,7
1,75	700	643	549	407	328	271	200	165	144	124	110	100	83	46,7
1,70	802	751	616	414	344	281	210	170	144	124	110	100	83	46,7
1,65	896	785	658	460	350	287	213	170	144	124	110	100	83	46,7

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	603	577	551	468	391	347	281	237	206	181	163	149	128	75,4
1,85	871	802	732	580	495	424	332	278	239	210	189	172	145	84,1
1,80	1059	1007	893	689	561	480	353	296	261	228	205	187	159	91,5
1,75	1247	1153	990	741	602	500	372	309	271	234	209	192	159	91,5
1,70	1392	1320	1097	746	626	516	387	317	271	234	209	190	158	91,2
1,65	1538	1364	1159	821	630	521	389	317	270	234	208	189	158	88,8

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