



12 OPzV 1500

2V - 1500 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	1530 Ah
	C5 / 1,77V	1260 Ah
	C3 / 1,75V	1116 Ah
	C1 / 1,67V	744 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,23 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		8810 Ampere
Temperature correction factor		- 4 mVolt / °C

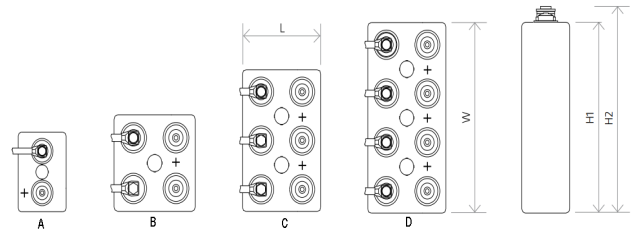
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	210x275x796 mm
Total Height (H2)	821 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	115 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	428	419	405	370	328	296	245	210	184	165	152	139	117	67,2
1,85	624	609	573	489	420	378	305	260	225	200	180	162	135	76,9
1,80	810	787	747	630	538	473	354	299	263	230	203	183	157	86,2
1,75	1005	949	873	699	579	500	372	315	274	238	210	188	157	86,2
1,70	1159	1102	994	719	610	520	396	324	274	238	210	188	157	86,2
1,65	1306	1236	1104	810	626	533	401	324	274	238	210	188	157	86,2

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	814	798	773	710	631	571	476	408	358	322	297	271	230	133
1,85	1164	1139	1072	916	790	715	582	499	433	386	348	314	263	151
1,80	1477	1435	1364	1160	997	881	664	563	497	437	388	352	301	169
1,75	1791	1702	1575	1273	1062	923	693	590	516	449	399	361	301	169
1,70	2012	1936	1770	1297	1111	955	731	604	516	449	399	359	299	168
1,65	2241	2147	1944	1445	1127	968	732	604	514	448	396	356	298	164

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