



# 20 OPzV 2500

## 2V - 2500 Ah



### Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	2550 Ah
	C5 / 1,77V	2100 Ah
	C3 / 1,75V	1860 Ah
	C1 / 1,67V	1240 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,14 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		14400 Ampere
Temperature correction factor		- 4 mVolt / °C

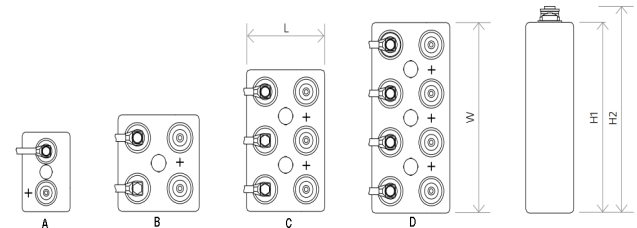
### Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	214x487x769 mm
Total Height (H2)	794 mm
Operation temp	-20 to 45 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 %
Case / pole settings	ABS / D A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight	200 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 mm<sup>2</sup>

### 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	688	685	675	633	547	493	408	350	307	275	253	231	195	112
1,85	988	982	955	815	700	630	508	433	375	333	300	270	226	128
1,80	1350	1312	1245	1050	897	788	597	498	410	372	339	305	261	144
1,75	1675	1582	1455	1165	965	833	620	525	457	397	349	313	261	144
1,70	1932	1837	1657	1199	1017	867	660	540	457	397	349	313	261	144
1,65	2177	2060	1840	1350	1043	888	669	540	457	397	349	313	261	144

### 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	1309	1305	1288	1214	1052	951	792	681	597	537	494	450	384	221
1,85	1843	1836	1787	1526	1317	1192	969	831	722	643	580	524	440	251
1,80	2461	2393	2273	1933	1662	1467	1121	938	775	707	649	586	501	282
1,75	2985	2837	2625	2121	1771	1537	1154	983	861	749	663	601	501	282
1,70	3354	3228	2951	2162	1852	1593	1218	1006	861	749	663	597	497	281
1,65	3736	3578	3240	2408	1878	1613	1221	1006	858	748	659	592	495	274

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