



# 3 OPzS 150

## 2V - 150 Ah



### Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	155 Ah
	C5 / 1,77V	136 Ah
	C3 / 1,75V	117 Ah
	C1 / 1,67V	86 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 1,08 mΩ
Float Charge	+/- 1%	2,23 Volt
Boost Charge	+/- 1%	2,35-2,40 Volt
Boost Charge Max. current	Max 6h	1,5x I10 Ampere
Short Circuit		1845 Ampere
Temperature correction factor		- 4 mVolt / °C

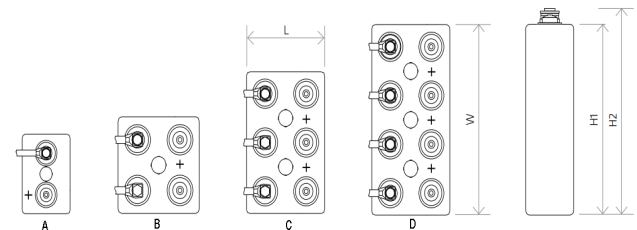
### Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	103x206x420 mm
Total Height (H2)	420 mm
Operation temp	-20 to 55 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 % Max.
Case / pole settings	ABS / A A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight ( Dry / Wet )	11 / 16 kg

### Innovative Features

- Positive electrode tubular - plate with a polyester gauntlet in Corrosion resistant LA-PbSbSe - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- Electrolyte sulphuric acid with a density of 1,24 kg/l
- ABS, high impact transparent SAN container
- Plug for arresting aerosols - ceramic plugs according DIN 40 740
- Sliding Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion pole
- Connectors, flexible insulated copper cables

### Dimensions / Pole settings



### Constant Current Discharge - Ampere @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	69	63	51	36	29	24	21	19	15,9	13,9	5,5
1,87	90	75	59	42	33	28	24	21	17,3	14,3	6,2
1,83	109	90	68	46	36	30	25	22	18,5	15,4	6,4
1,80	123	99	72	51	38	32	27	23	18,7	15,5	8,7
1,75	143	110	78	51	39	32	27	23	18,8	15,8	8,8
1,70	155	123	83	52	40	32	29	24	19,4	15,8	8,8

### Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	131	119	97	69	56	46	41	37	31	27	11,0
1,87	171	142	112	80	64	54	46	41	34	28	12,2
1,83	201	167	125	87	68	57	48	43	36	30	12,5
1,80	224	181	133	95	72	60	51	44	36	30	17,0
1,75	255	198	142	95	73	59	51	44	36	30	17,2
1,70	270	219	150	96	74	59	54	45	37	30	16,8

EN201711-1

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