



4 OPzV 200

2V - 200 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	204 Ah
	C5 / 1,77V	172 Ah
	C3 / 1,75V	150 Ah
	C1 / 1,67V	106 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 1,22 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		1660 Ampere
Temperature correction factor		- 4 mVolt / °C

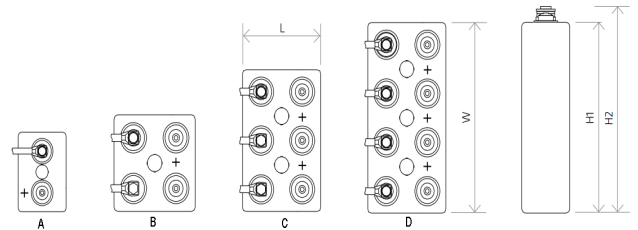
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	103x206x354 mm
Total Height (H2)	380 mm
Operation temp	-20 to 45 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 %
Case / pole settings	ABS / A A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight	19 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	125	120	104	76	60,5	51,4	39,4	32,4	27,4	23,9	21,1	19,2	16,1	8,9
1,85	167	149	131	93	72,8	61,3	45,8	37,0	31,6	27,6	24,5	22,0	18,5	10,2
1,80	202	181	154	103	80,0	67,0	48,0	38,7	33,9	29,6	26,5	24,0	20,6	11,1
1,75	232	201	167	109	82,9	69,0	50,0	41,0	35,2	30,7	27,3	24,6	20,6	11,1
1,70	259	221	179	112	84,3	70,4	52,0	42,0	35,2	30,7	27,3	24,6	20,6	11,1
1,65	282	238	186	114	85,3	71,8	52,6	42,0	35,2	30,7	27,3	24,6	20,6	11,1

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	238	229	198	146	116	99	76,5	63,0	53,3	46,7	41,2	37,4	31,7	17,5
1,85	312	279	245	174	137	116	87,3	71,0	60,9	53,3	47,4	42,7	36,0	20,0
1,80	368	330	281	190	148	125	90,1	73,0	64,1	56,3	50,7	46,1	39,5	21,8
1,75	413	360	301	199	152	127	93,1	76,8	66,3	57,9	51,8	47,3	39,5	21,8
1,70	450	388	319	202	154	129	95,9	78,2	66,3	57,9	51,8	46,9	39,2	21,7
1,65	484	413	328	203	154	131	96,0	78,2	66,1	57,8	51,5	46,5	39,1	21,1

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