



5 OPzV 250

2V - 250 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	255 Ah
	C5 / 1,77V	215 Ah
	C3 / 1,75V	188 Ah
	C1 / 1,67V	133 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,98 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		2080 Ampere
Temperature correction factor		- 4 mVolt / °C

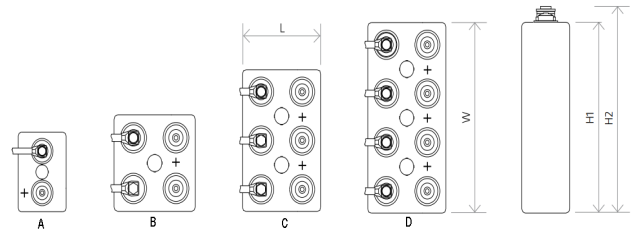
Other Specifications @ 20°C

Design Life @ 20°C		20 Years
Design Life @ 30°C		10 Years
Design Life @ 40°C		5 Years
Dimensions (LxWxH1) ± 3		124x206x354 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		23 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	146	140	125	94	74,8	63,5	49,3	40,5	34,3	29,9	26,3	24,0	20,1	11,6
1,85	195	179	157	116	89,9	75,8	57,3	46,3	39,5	34,5	30,6	27,5	23,1	13,2
1,80	235	217	185	133	101	84,8	60,0	48,4	42,3	37,0	33,1	30,0	25,8	14,5
1,75	265	238	198	136	104	86,3	62,6	51,1	44,0	38,3	34,1	30,8	25,8	14,4
1,70	294	264	214	140	105	88,0	65,0	52,5	44,0	38,3	34,1	30,8	25,8	14,4
1,65	312	285	223	143	107	89,8	65,8	52,5	44,0	38,3	34,1	30,8	25,8	14,5

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	278	267	239	180	144	123	95,7	78,8	66,7	58,4	51,3	46,8	39,6	22,9
1,85	364	335	294	217	169	144	109	88,8	76,1	66,6	59,1	53,3	44,9	25,9
1,80	428	396	338	245	187	158	113	91,2	80,0	70,3	63,3	57,6	49,5	28,4
1,75	472	427	357	248	191	159	117	95,7	82,9	72,2	64,8	59,2	49,5	28,4
1,70	510	464	381	253	191	162	120	97,8	82,9	72,2	64,8	58,8	49,1	28,3
1,65	535	495	393	255	193	163	120	97,8	82,6	72,2	64,3	58,2	48,9	27,6

EN201711-1

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