



6 OPzV 300

2V - 300 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	306 Ah
	C5 / 1,77V	258 Ah
	C3 / 1,75V	225 Ah
	C1 / 1,67V	159 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,85 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		2490 Ampere
Temperature correction factor		- 4 mVolt / °C

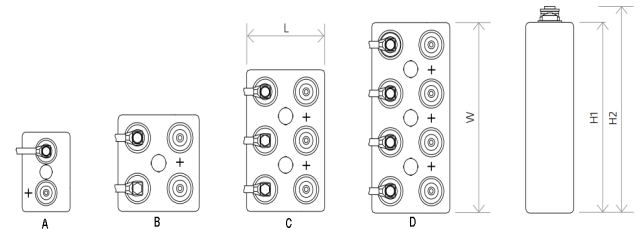
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	145x206x354 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	28 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	159	150	139	109	89	76	59,1	48,6	41,1	35,9	31,6	28,8	24,2	14,0
1,85	221	201	183	135	108	91	68,7	55,5	47,4	41,4	36,8	33,0	27,8	15,6
1,80	270	249	215	155	121	101	72,0	58,1	50,8	44,4	39,7	36,0	31,1	17,3
1,75	305	272	238	164	124	104	75,0	61,3	53,1	46,0	40,9	36,9	31,1	17,3
1,70	342	301	257	167	126	106	78,0	63,0	53,1	46,0	40,9	36,9	31,1	17,3
1,65	366	315	268	172	128	108	78,9	63,0	53,1	46,0	40,9	36,9	31,1	17,3

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	303	286	265	209	172	147	115	95	80	70	62	56	48	28
1,85	412	376	343	253	203	172	131	107	91	80	71	64	54	31
1,80	492	454	393	285	224	188	135	110	96	84	76	69	60	34
1,75	544	488	429	299	228	192	140	115	100	87	78	71	60	34
1,70	594	529	458	302	229	195	144	117	100	87	78	70	59	34
1,65	628	547	472	307	231	196	144	117	100	87	77	70	59	33

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