



5 OPzV 350

2V - 350 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	357 Ah
	C5 / 1,77V	300 Ah
	C3 / 1,75V	263 Ah
	C1 / 1,67V	185 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,75 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		2770 Ampere
Temperature correction factor		- 4 mVolt / °C

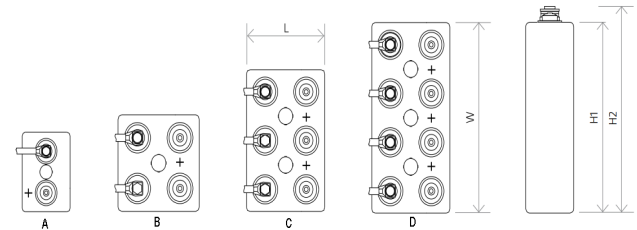
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	124x206x471 mm
Total Height (H2)	496 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	31 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	166	155	146	111	95	82	64	53	46	41	37	33	28,4	16,7
1,85	230	207	189	141	116	101	76	64	55	48	43	39	32,6	18,8
1,80	278	260	223	166	136	118	82	69	60	52	47	43	36,3	20,4
1,75	324	291	255	175	146	121	86	72	63	54	48	44	36,3	20,4
1,70	368	332	277	180	147	125	92	74	63	54	48	44	36,3	20,4
1,65	400	353	290	197	152	127	93	74	63	54	48	44	36,3	20,4

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	316	295	279	213	183	157	123	104	90	79	71	65	55,9	33,0
1,85	429	387	354	264	218	191	146	122	105	92	83	75	63,4	36,8
1,80	507	474	407	306	252	220	154	129	114	100	90	82	69,6	40,0
1,75	577	522	460	319	268	223	161	136	118	102	92	84	69,6	40,0
1,70	639	583	493	326	268	230	170	139	118	102	92	83	69,1	39,8
1,65	686	613	511	351	274	231	170	139	118	102	91	82	68,9	38,8

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