



6 OPzV 600

2V - 600 Ah



Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	612 Ah
	C5 / 1,77V	516 Ah
	C3 / 1,75V	450 Ah
	C1 / 1,67V	312 Ah
Self discharge	per month	≈ 2 %
Resistance	fully charged	≈ 0,51 mΩ
Float Charge	+/- 1%	2,25 Volt
Boost Charge	+/- 1%	2,35 Volt
Boost Charge Max. current		0,25 C10 Ampere
Short Circuit		4060 Ampere
Temperature correction factor		- 4 mVolt / °C

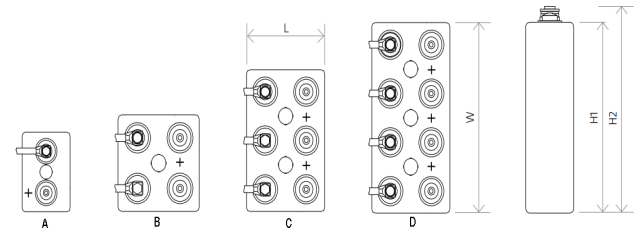
Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	145x206x643 mm
Total Height (H2)	668 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	49 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	208	203	194	172	150	135	109	92	79	70	63	57	48,7	28,6
1,85	299	288	272	221	189	168	131	109	93	82	74	67	55,9	32,2
1,80	374	359	335	267	221	193	141	117	102	90	80	73	62,3	35,1
1,75	443	416	384	297	240	203	150	124	108	93	83	75	62,3	35,1
1,70	516	482	429	305	256	211	158	128	108	93	83	75	62,3	35,1
1,65	572	532	466	333	258	215	160	128	108	93	83	75	62,3	35,1

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	396	387	370	330	289	261	212	178	154	136	122	112	95,9	56,5
1,85	558	539	509	414	356	318	250	209	180	158	142	129	109	63,1
1,80	682	655	612	492	410	359	265	221	193	171	154	140	120	68,8
1,75	789	746	693	541	440	375	279	232	203	176	157	144	120	68,8
1,70	896	847	764	549	466	388	292	238	203	176	157	143	119	68,5
1,65	982	924	821	594	465	391	292	238	203	175	156	141	118	66,8

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