

UP-OPzV CELLS SERIES

4 OPzV 200



Specification	
Float Voltage	Standby use 2.23 V/cell
Boost Recharge	Maximum voltage of 2.35 - 2.40 V/cell with a maximum current of 0.25 C10 (A)
Dimension	Length 103 mm (4,06 inches)
	Width 206 mm (8,11 inches)
	Height 354 mm (13,94 inches)
Weight	18.3 kg
Self Discharge	Approx. 2% per month at 20°C
Tubular Positive Plates	Special grid construction, pressure cast from antimony free alloy, with highly porous gauntlets that retain the active material
Pasted Negative Plates	Service lives consistent with the positive plates
Electrolyte	Gel structure
Separators	Extremely high porosity and low internal resistance
Containers and Lids	Made of plastic (ABS) material. Also available in ABS flame retardant material as an option (according to IEC 707 FV0)
Installation	Cells are normally installed in an upright position on steel stands
One Way Relief Valve	Opens at low pressure and is fitted with a flame arrestor device
Terminals	Female treated terminal (M10) perfect contact and low resistance with flexible cable connectors
Post Seals	Prevents electrolyte leakage and terminal corrosion
Connectors	Flexible, fully insulated cable connectors screwed (with 20±1 Nm) to the terminal with an insulated screw having a probe hole on the top for electrical measurement

Constant Current Discharge (Amperes) at 20°C (68°F)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.90VPC	125	104	76	51.4	39.4	32.4	27.4	23.9	19.2	16.1	8.8
1.85VPC	167	131	93	61.3	45.8	37	31.6	27.6	22	18.5	10.2
1.80VPC	202	154	103	67	48	38.7	33.9	29.6	24	20.4	11
1.75VPC	232	167	102	69	50	41	34.6	30.1	24.3	20.4	11.1
1.70VPC	259	179	104	70.4	52	41.5	34.9	30.4	24.5	20.6	11.1
1.65VPC	282	186	114	71.8	52.6	42	35.2	30.7	24.6	20.6	11.1

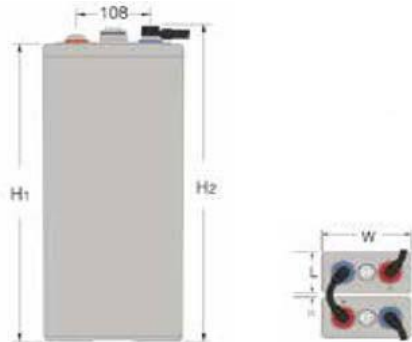
Constant Power Discharge (Watts) at 20°C (68°F)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.90VPC	238	198	146	99	76	63	53	47	37	32	17
1.85VPC	311	245	174	116	87	71	61	53	43	36	20
1.80VPC	368	281	190	125	90	73	64	56	46	39	22
1.75VPC	413	301	186	127	93	77	65	57	46	39	22
1.70VPC	450	319	188	129	96	77	66	57	46	39	21
1.65VPC	484	328	203	130	96	77	65	57	46	39	21

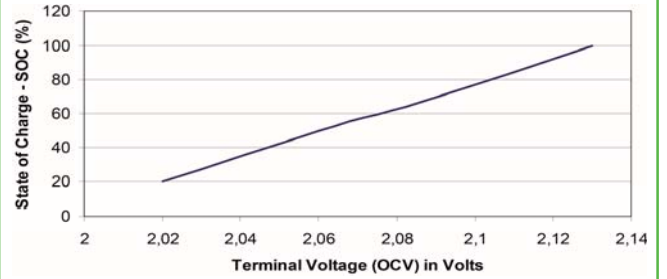
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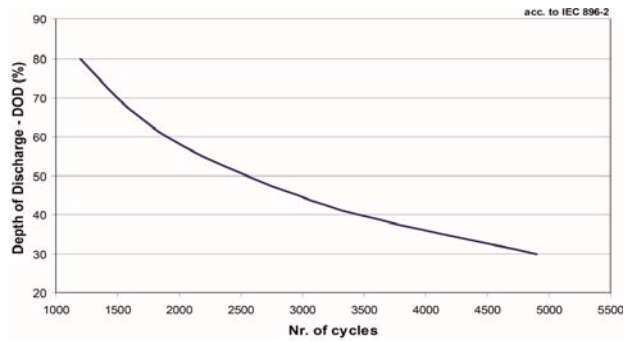
Layout



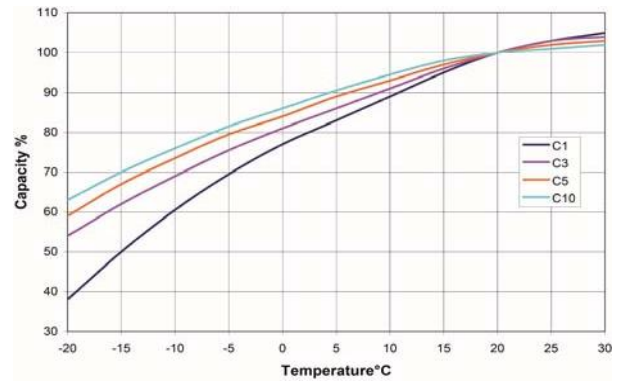
Terminal Voltage vs. SOC



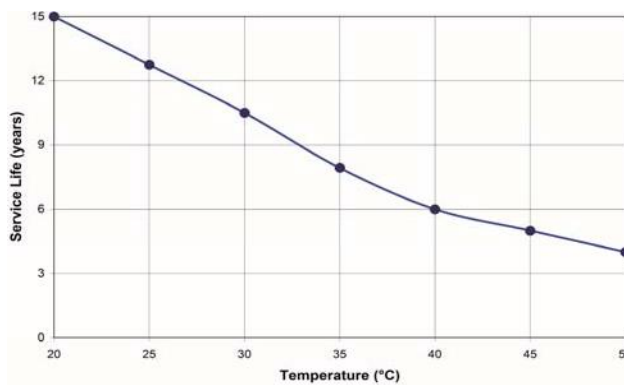
No. of cycles vs. DOD



Capacity = f(T)



Service Life vs Temperature



Capacity test C10

