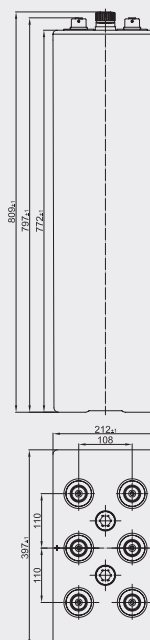


OPzS Cell 2V 16 OPzS 2000

Technical Characteristics

Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	2227
Plate Capacity (Ah), C ₁₀ (1.8V/cell, 20 °C)	125
Number of plates (+) per cell	16
Content in Antimony of positive plates	≤1.65%
Nominal voltage (V)	2
Electrolyte density for fully charged state at 25 °C (gr/ml)	1.24
Floating voltage set point (V/cell)	2.23
Floating voltage tolerance from set point	+/-0.02 V (2.21-2.25)
Single cell floating voltage tolerance from set point	+0.1V-0.05 V (2.18-2.33)
Initial charge current (A)	200
End of charge Voltage (V/cell)	2.35 to 2.40
Recommended End of Discharge voltage for 10-hr rate (V/cell)	1.80
Recommended End of Discharge voltage for 1-hr rate (V/cell)	1.65
Short circuit current (A)	12400
Internal resistance (mOhm/cell)	0.167
Number of cycles at 60% depth of discharge	2000
Self-discharge rate per month	<2.5%
Efficiency factor (kWh)	85%
Efficiency factor (Ah)	95%
Dimensions in mm (LxWxH)	397x212x797
Weight:	
• Without electrolyte (kg)	108.8
• With electrolyte (kg)	154.5
Type and number of poles	M10 / 6



OPzS Cell 2V 16 OPzS 2000

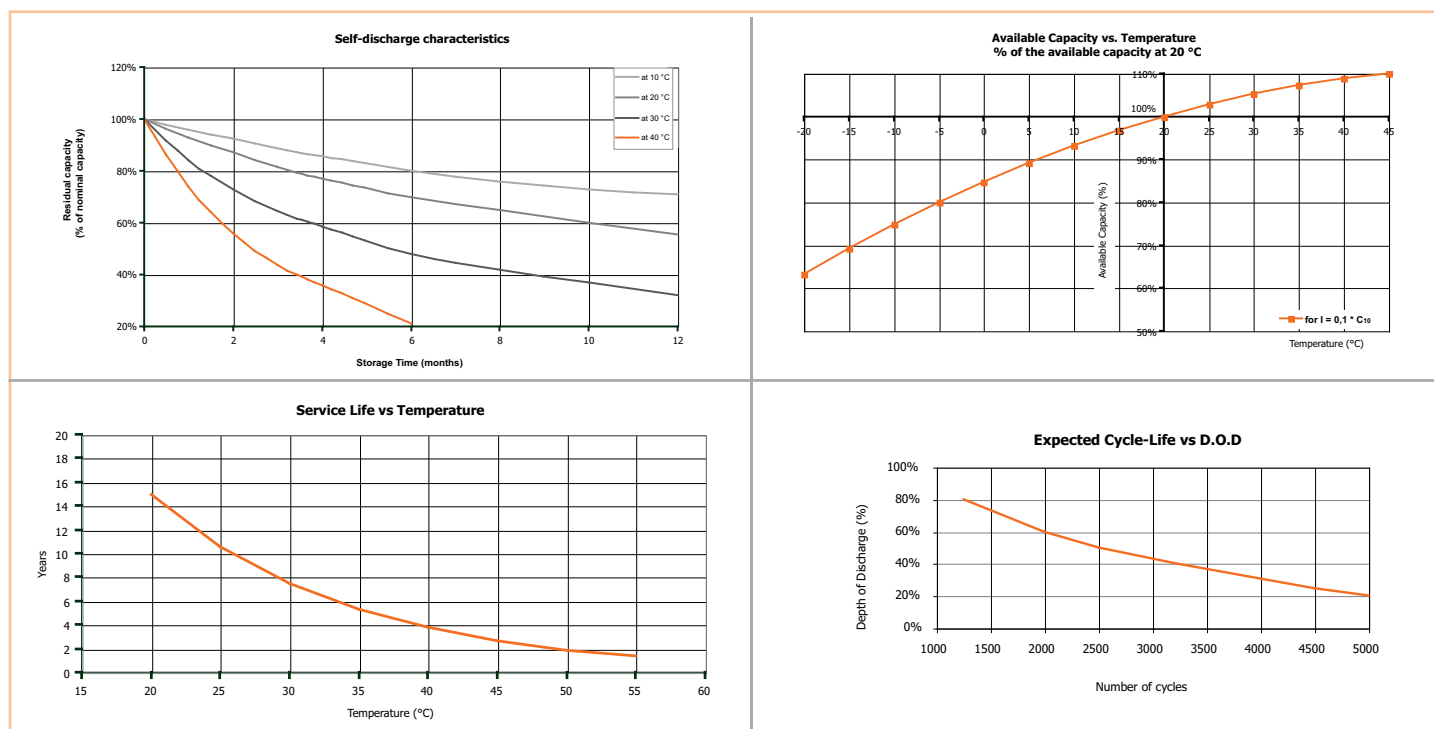
Constant Current Discharge in A/cell (at 20 °C)

Uend	Discharge Time												
	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.60 V	1967.2	1621.3	1335.6	1163.9	926.8	778.3	595.0	484.8	412.5	360.7	291.8	242.9	137.0
1.65 V	1773.6	1490.5	1256.4	1112.9	901.1	761.8	585.5	478.6	407.3	356.7	288.8	240.6	135.6
1.70 V	1567.7	1340.9	1152.2	1034.7	859.4	735.4	571.2	469.0	399.7	351.0	284.5	237.5	134.3
1.75 V	1315.3	1152.7	1019.6	934.6	794.4	689.7	547.3	454.0	387.8	342.9	277.5	231.7	131.4
1.80 V	1082.7	982.7	887.5	825.6	714.3	632.3	510.5	427.7	368.5	325.9	264.8	222.7	126.5
1.83 V	946.2	863.9	790.4	742.1	652.2	581.2	474.4	399.6	347.3	307.9	252.0	211.7	119.8
1.85 V	858.8	792.5	729.5	687.9	605.4	540.6	443.6	375.6	325.6	290.0	239.1	201.5	114.0
1.87 V	771.2	715.4	659.5	622.6	551.2	492.5	409.9	350.6	307.2	274.8	226.7	191.3	109.7
1.90 V	634.5	590.7	550.2	523.2	470.6	426.5	359.8	309.5	271.4	244.8	203.2	173.0	99.2

Constant Power Discharge in W/cell (at 20 °C)

Uend	Discharge Time												
	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.60 V	3212.6	2759.3	2327.2	2062.3	1667.4	1421.9	1095.1	902.4	773.6	679.8	552.6	461.2	261.0
1.65 V	2978.1	2585.0	2212.8	1981.7	1625.1	1393.6	1078.4	891.1	764.0	672.4	547.0	456.9	258.4
1.70 V	2713.7	2377.6	2059.7	1860.3	1555.2	1347.9	1053.3	874.0	750.2	662.0	539.0	451.1	255.8
1.75 V	2337.1	2072.6	1843.7	1696.8	1454.8	1271.3	1018.6	850.6	730.3	647.8	527.9	443.0	250.9
1.80 V	1969.3	1789.3	1623.7	1515.6	1318.0	1174.3	955.3	804.8	697.5	618.5	505.3	426.0	244.0
1.83 V	1741.9	1598.8	1461.7	1371.6	1215.0	1089.2	895.7	760.1	660.1	586.3	484.3	407.8	233.3
1.85 V	1598.6	1477.9	1362.4	1285.9	1137.3	1019.9	844.9	716.4	623.4	555.5	462.3	391.3	221.6
1.87 V	1453.7	1348.1	1245.3	1177.1	1044.7	937.3	785.4	675.0	593.4	530.7	440.6	372.8	214.0
1.90 V	1208.8	1126.7	1051.3	1000.9	902.8	821.6	697.2	599.9	527.8	476.7	397.5	341.1	196.9

Diagrams



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