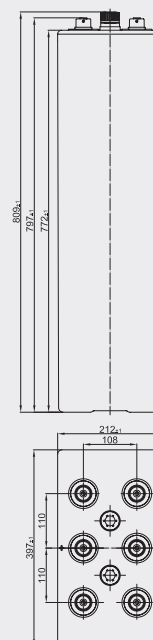


OPzS Cell 2V 15 OPzS 1875

Technical Characteristics

Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	2136
Plate Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	125
Number of plates (+) per cell	15
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)	187.5
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)	11330
Internal resistance (mOhm/cell)	0.183
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)	102.6
• With electrolyte (kg)	148.9
Type and number of poles	M10 / 6



OPzS Cell 2V 15 OPzS 1875

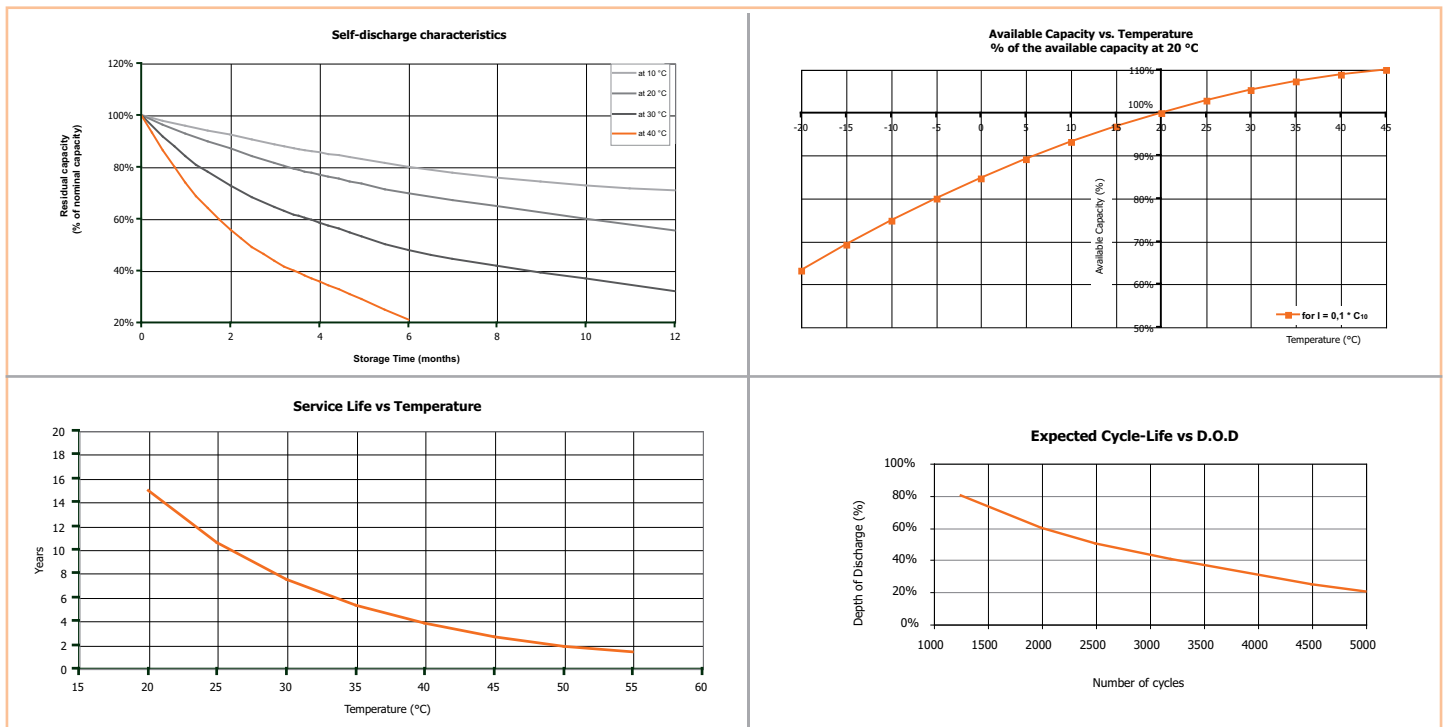
Constant Current Discharge in A/cell (at 20 °C)

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	1842.3	1527.9	1260.5	1099.7	872.1	732.0	563.5	461.7	395.9	345.3	279.4	232.5	131.6
1.65 V	1659.5	1402.2	1183.1	1048.7	847.3	715.9	554.2	455.2	390.9	341.3	276.5	230.4	130.2
1.70 V	1466.1	1259.4	1082.5	972.2	805.8	690.0	540.4	446.1	383.4	335.9	272.4	227.5	128.3
1.75 V	1231.5	1078.6	954.6	875.4	743.7	647.1	516.6	431.1	370.6	327.9	265.5	222.5	125.4
1.80 V	1012.8	919.7	831.1	773.4	669.5	592.7	481.7	405.7	352.3	311.8	252.8	213.6	121.5
1.83 V	884.6	808.9	740.1	694.9	611.4	544.6	447.5	379.5	332.1	294.7	240.8	202.6	114.8
1.85 V	803.4	741.6	682.7	643.7	567.5	506.9	418.7	356.6	311.4	277.8	228.9	193.4	108.9
1.87 V	721.1	669.6	617.7	583.3	516.2	461.7	387.0	332.6	294.0	262.6	217.6	183.1	104.7
1.90 V	593.8	553.0	515.2	489.9	440.7	399.7	339.8	293.5	260.2	233.7	194.1	165.9	94.9

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	3006.1	2596.9	2193.8	1946.3	1567.8	1335.7	1036.3	858.0	740.5	650.8	528.8	441.4	250.9
1.65 V	2787.7	2430.7	2083.1	1867.0	1526.2	1308.6	1019.9	846.3	731.4	643.7	523.4	437.5	248.3
1.70 V	2537.4	2233.7	1935.6	1748.5	1457.8	1264.0	995.7	830.1	717.8	633.7	515.9	431.9	244.8
1.75 V	2187.2	1940.1	1726.6	1589.5	1361.4	1191.2	961.1	806.8	698.8	619.5	505.8	423.9	239.9
1.80 V	1842.6	1674.8	1520.3	1419.4	1235.3	1101.0	900.7	764.7	667.0	591.3	483.1	407.9	233.9
1.83 V	1630.2	1497.2	1369.3	1285.2	1138.4	1020.9	846.0	721.1	631.6	561.0	463.0	390.7	223.2
1.85 V	1496.1	1383.4	1275.9	1204.7	1065.7	955.5	797.1	680.3	596.8	532.0	443.0	374.3	212.5
1.87 V	1359.6	1261.8	1166.2	1102.8	978.1	878.8	741.6	641.0	567.9	507.3	421.4	356.6	205.0
1.90 V	1131.2	1054.5	984.5	937.6	846.0	770.0	657.5	569.9	505.4	456.4	380.3	326.0	188.9

Diagrams



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