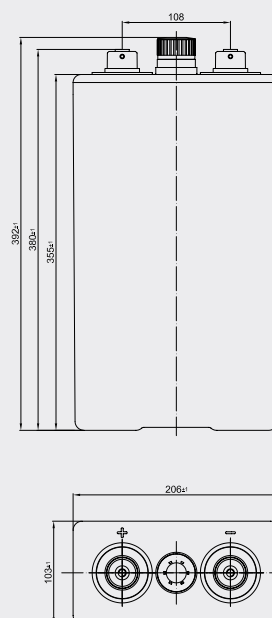


OPzS Cell 2V 4 OPzS 200

Technical Characteristics

Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	215
Plate Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	50
Number of plates (+) per cell	4
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)	20
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)	2320
Internal resistance (mOhm/cell)	0.94
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)	103x206x380
Weight:	
• Without electrolyte (kg)	13.0
• With electrolyte (kg)	17.5
Type and number of poles	M10 / 2



OPzS Cell 2V 4 OPzS 200

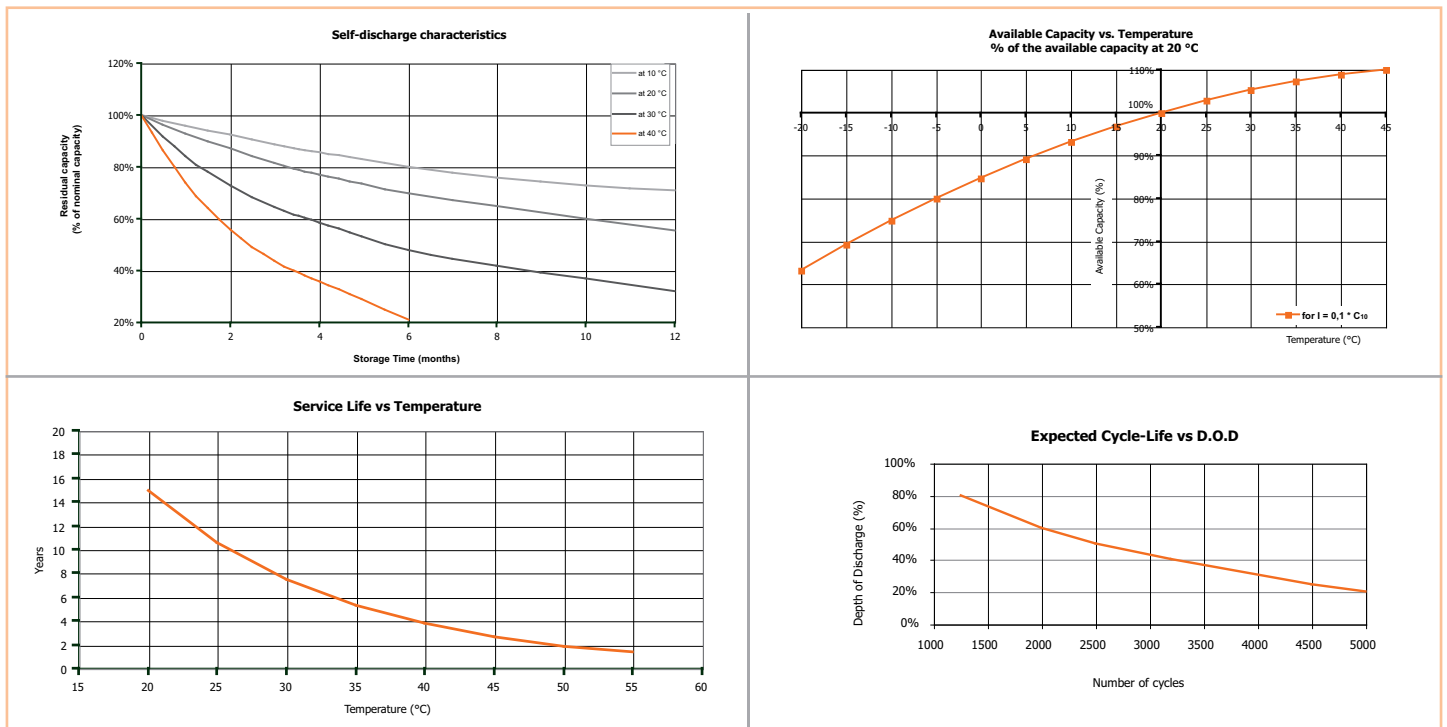
Constant Current Discharge in A/cell (at 20 °C)

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	271.5	185.6	141.9	117.3	89.7	73.8	56.0	45.8	38.6	33.8	26.9	23.0	12.9
1.65 V	253.8	179.4	138.4	115.1	88.3	72.8	55.3	45.4	38.2	33.5	26.7	22.8	12.8
1.70 V	231.7	169.4	132.7	111.6	86.4	71.4	54.4	44.7	37.7	33.1	26.3	22.5	12.7
1.75 V	207.8	154.6	123.7	105.6	82.6	68.8	52.7	43.6	36.8	32.5	26.3	22.1	12.5
1.80 V	172.9	134.9	111.0	96.6	76.6	64.7	50.3	41.8	35.5	31.5	25.1	21.5	12.2
1.83 V	147.9	118.4	99.4	87.7	70.9	60.8	47.7	39.9	34.1	30.3	24.3	21.0	11.9
1.85 V	131.4	107.7	91.0	80.7	66.7	57.8	45.6	38.5	33.0	29.5	23.6	20.4	11.6
1.87 V	114.9	96.0	82.5	74.2	62.2	54.9	43.7	36.6	31.5	28.2	22.9	19.7	11.2
1.90 V	91.0	80.5	70.8	64.6	54.7	48.3	39.4	33.6	29.0	26.0	21.1	18.3	10.3

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	456.0	327.1	253.8	211.9	162.6	135.1	103.6	85.4	72.4	63.8	51.0	43.7	24.6
1.65 V	432.0	317.3	248.0	208.2	160.2	133.3	102.5	84.6	71.7	63.1	50.5	43.3	24.4
1.70 V	401.4	301.6	238.7	202.2	156.7	130.8	100.8	83.4	70.7	62.3	49.9	42.8	24.2
1.75 V	372.2	278.9	224.3	192.2	151.7	126.8	98.4	81.8	69.5	61.4	49.3	42.3	23.9
1.80 V	314.5	245.6	202.9	177.2	141.6	120.7	94.2	78.8	67.2	59.7	48.1	41.3	23.5
1.83 V	272.3	219.5	184.0	162.4	132.6	114.6	90.4	75.9	65.0	57.8	46.9	40.5	23.0
1.85 V	244.4	201.0	169.8	150.7	125.6	109.5	87.0	73.5	63.2	56.6	45.7	39.6	22.5
1.87 V	216.3	180.6	156.0	140.6	117.6	104.3	83.8	70.6	60.9	54.5	44.4	38.6	21.9
1.90 V	173.4	153.8	135.3	123.6	104.5	93.2	76.4	65.3	56.4	50.8	41.3	36.0	20.7

Diagrams



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