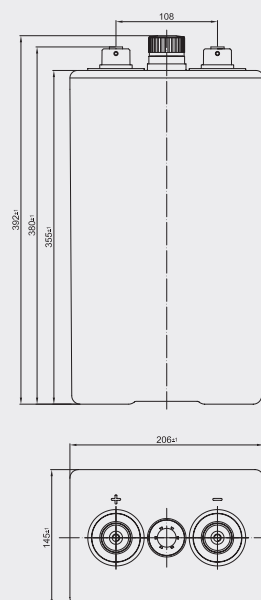
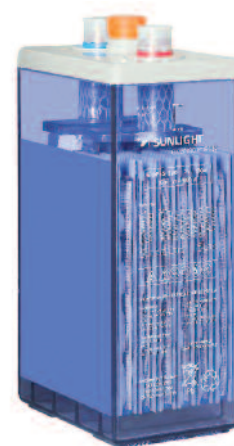


OPzS Cell 2V 6 OPzS 300

Technical Characteristics

Capacity (Ah), C10 (1.8 V/cell, 20 °C)	323
Plate Capacity (Ah), C10 (1.8 V/cell, 20 °C)	50
Number of plates (+) per cell	6
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)	30
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)	3240
Internal resistance (mOhm/cell)	0.64
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)	145x206x380
Weight:	
• Without electrolyte (kg)	18.5
• With electrolyte (kg)	25.7
Type and number of poles	M10 / 2



OPzS Cell 2V 6 OPzS 300

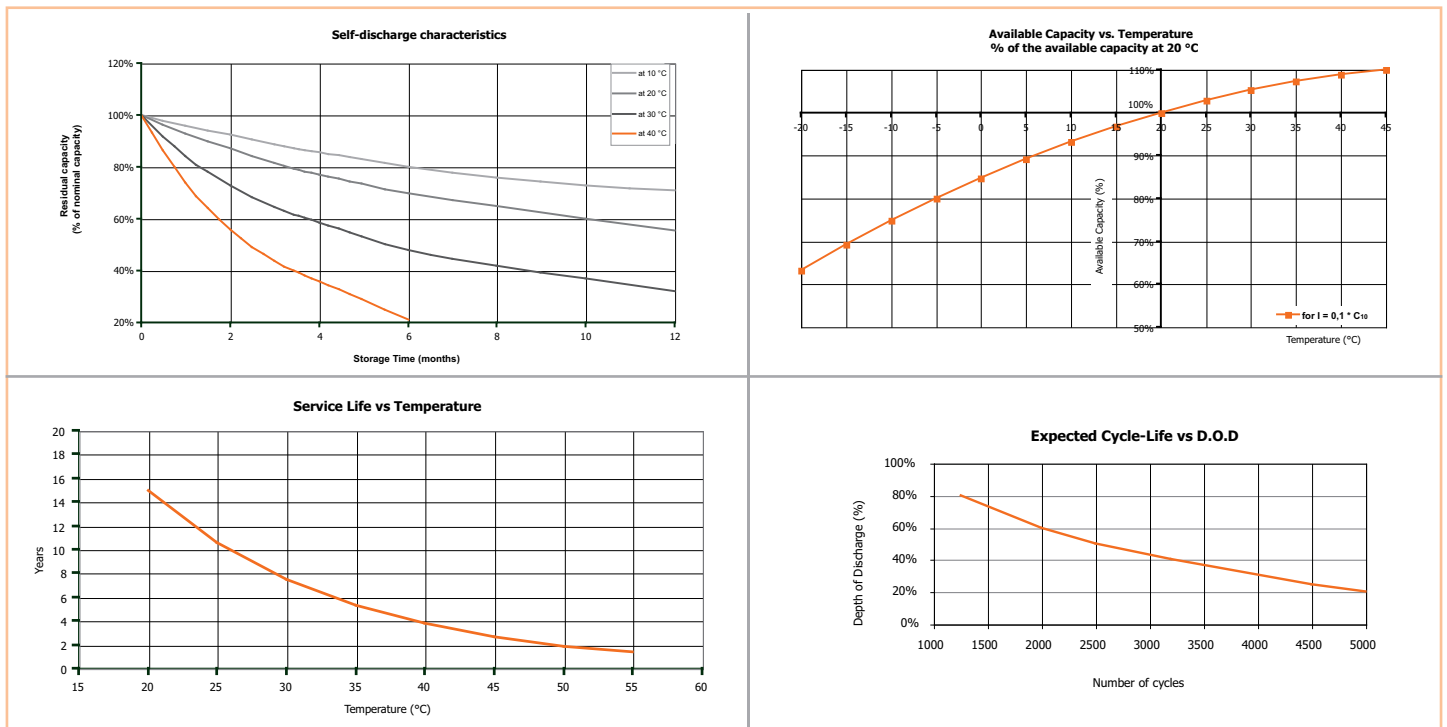
Constant Current Discharge in A/cell (at 20 °C)

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	408.6	279.5	214.0	177.1	134.8	110.5	84.0	68.9	58.0	50.9	40.3	34.5	19.4
1.65 V	381.4	270.0	208.6	173.7	132.7	109.0	83.1	68.2	57.4	50.4	40.0	34.2	19.3
1.70 V	347.7	254.5	199.9	168.3	129.7	106.8	81.7	67.2	56.6	49.8	39.5	33.9	19.1
1.75 V	311.9	231.8	185.6	158.5	123.8	103.8	78.9	65.5	55.3	48.7	38.7	33.3	18.8
1.80 V	259.6	202.3	166.7	145.3	114.8	97.0	75.4	62.8	53.3	47.2	37.7	32.3	18.2
1.83 V	222.0	178.0	149.2	131.6	106.8	91.7	71.6	59.9	51.1	45.4	36.5	31.5	17.8
1.85 V	196.9	161.4	136.3	120.9	99.8	86.7	68.5	57.7	49.6	44.4	35.5	30.7	17.4
1.87 V	172.6	143.9	123.6	110.9	93.4	82.4	65.6	55.0	47.3	42.3	34.3	29.7	16.9
1.90 V	136.4	121.0	106.3	96.9	82.1	72.5	59.2	50.5	43.6	39.1	31.7	27.5	15.6

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	684.5	491.0	380.6	317.7	244.7	203.3	155.1	127.9	108.5	95.9	76.4	65.6	37.0
1.65 V	684.4	480.0	375.0	315.0	243.2	200.7	154.2	126.8	107.7	95.7	75.6	65.1	36.9
1.70 V	601.7	451.8	357.5	302.9	235.7	196.8	150.9	124.8	105.9	93.8	74.8	64.4	36.4
1.75 V	553.8	417.2	336.4	288.8	227.6	190.8	146.9	122.7	103.9	92.2	73.8	63.6	35.9
1.80 V	471.8	368.2	304.8	266.6	212.5	180.7	141.7	118.6	100.8	89.6	72.2	61.9	35.2
1.83 V	407.7	328.6	276.1	244.0	198.5	171.5	135.6	113.6	97.2	86.8	70.4	60.9	34.5
1.85 V	366.2	301.3	254.9	226.4	188.4	163.4	130.4	110.4	94.9	84.9	68.7	59.5	34.0
1.87 V	323.7	271.2	233.8	210.4	177.3	156.9	126.0	106.2	91.4	81.8	66.6	58.0	33.1
1.90 V	259.4	229.7	202.6	185.3	157.2	139.9	114.8	97.9	84.6	76.3	62.1	54.1	31.2

Diagrams



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