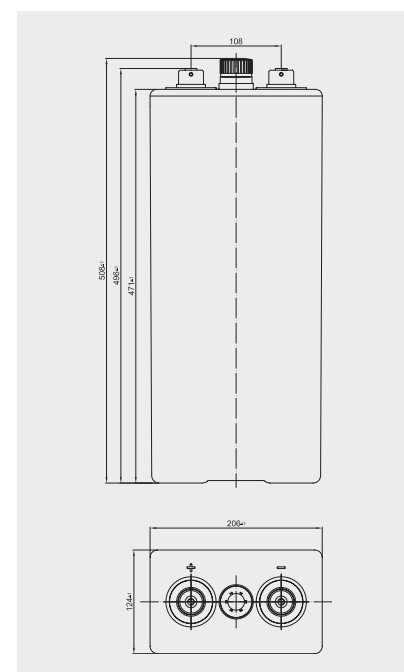


# OPzS Cell 2V 5 OPzS 350

## Technical Characteristics

Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	387
Plate Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	70
Number of plates (+) per cell	5
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)	35
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)	3060
Internal resistance (mOhm/cell)	0.68
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)	124x206x496
Weight:	
• Without electrolyte (kg)	20.7
• With electrolyte (kg)	28.4
Type and number of poles	M10 / 2



# OPzS Cell 2V 5 OPzS 350

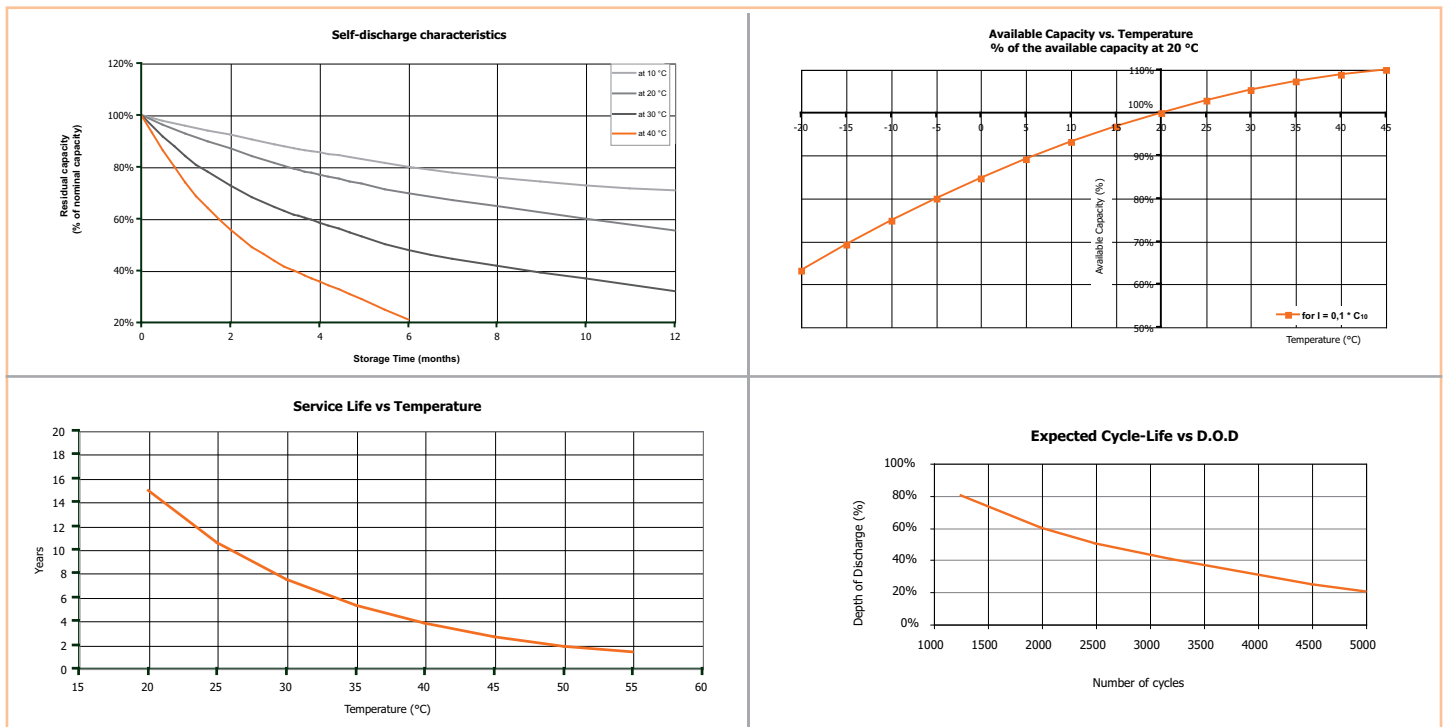
## Constant Current Discharge in A/cell (at 20 °C)

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	416.2	296.2	237.3	202.7	158.4	131.3	100.5	81.7	69.1	60.2	48.6	41.0	22.7
1.65 V	383.3	282.6	229.5	197.9	155.5	129.2	99.2	80.7	68.3	59.6	48.1	40.7	22.6
1.70 V	345.4	262.4	217.4	190.3	151.2	126.3	97.3	79.4	67.3	58.7	47.5	40.2	22.3
1.75 V	296.5	238.2	202.2	180.1	146.1	123.1	95.1	78.2	66.5	57.9	46.8	39.7	22.0
1.80 V	249.0	208.1	179.2	161.1	134.0	115.1	91.2	75.6	64.7	56.6	45.8	38.7	21.6
1.83 V	218.3	185.4	162.5	148.0	124.0	108.0	87.0	72.4	62.4	54.7	44.3	37.3	20.8
1.85 V	199.3	170.4	150.7	138.0	117.8	102.9	82.9	69.3	59.9	52.8	42.9	36.1	20.1
1.87 V	179.3	155.4	138.7	128.0	109.8	96.8	77.8	65.5	56.8	50.2	40.9	34.5	19.3
1.90 V	146.4	130.4	117.5	109.1	95.8	83.9	68.8	58.3	51.0	45.5	37.2	31.6	17.6

## 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	691.3	517.7	421.3	364.1	286.9	240.5	185.5	152.1	129.4	113.1	92.0	78.0	43.4
1.65 V	648.8	496.8	408.8	356.0	282.1	236.9	183.2	150.5	128.0	112.0	91.1	77.3	43.0
1.70 V	597.9	466.4	389.8	343.3	274.7	231.8	179.9	148.1	126.3	110.4	89.8	76.3	42.6
1.75 V	526.8	428.4	366.3	327.8	268.1	227.4	176.7	146.8	125.1	109.3	89.1	75.7	42.2
1.80 V	453.0	379.6	328.2	295.9	247.1	214.1	171.3	142.6	122.8	107.1	87.6	74.1	41.6
1.83 V	401.9	343.1	300.7	273.9	230.9	202.8	164.9	137.3	118.6	104.8	85.1	72.1	40.4
1.85 V	371.0	317.3	281.0	257.8	221.5	194.6	157.8	132.2	114.5	100.7	82.9	69.9	39.3
1.87 V	338.0	292.3	261.5	241.6	208.4	184.3	149.7	126.1	110.2	97.1	79.6	67.5	37.8
1.90 V	278.6	249.4	224.8	208.9	183.4	161.6	132.8	113.0	99.2	88.7	72.8	62.1	35.1

## Diagrams



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