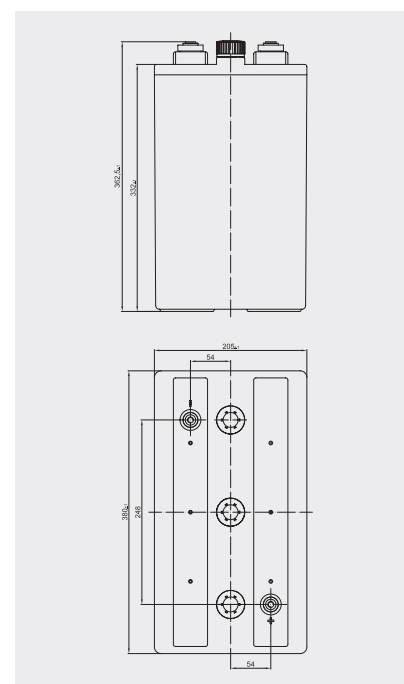


# OPzS Monoblock 6V 5 OPzS 250

## Technical Characteristics

Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	258
Plate Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	50
Number of plates (+) per cell	5
Content in Antimony of positive plates	≤1.65%
Nominal voltage (V)	6
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)	25
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)	2664
Internal resistance (mOhm/cell)	0.78
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)	380x205x363
Weight:	
• Without electrolyte (kg)	43.5
• With electrolyte (kg)	60.9
Type and number of poles	M10 / 2



# OPzS Monoblock 6V 5 OPzS 250

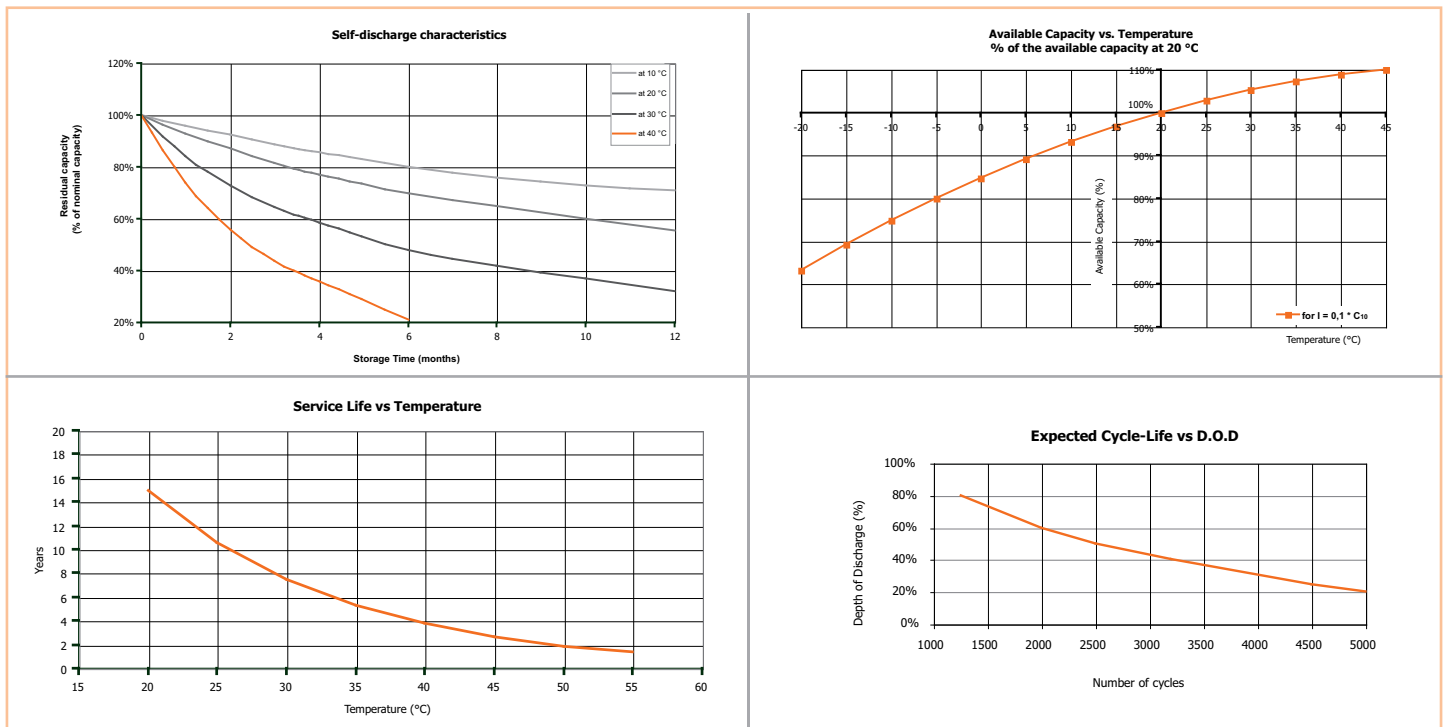
## Constant Current Discharge in A/cell (at 20 °C)

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	326.7	223.3	171.2	141.8	107.5	88.7	67.3	55.1	46.4	40.7	32.2	27.6	15.6
1.65 V	305.4	215.8	166.9	139.1	105.9	87.4	66.5	54.5	45.9	40.3	31.9	27.4	15.5
1.70 V	278.5	203.9	160.1	134.8	103.5	85.7	65.4	53.7	45.3	39.7	31.6	27.1	15.3
1.75 V	250.3	185.9	149.0	127.3	99.6	82.7	63.2	52.3	44.3	38.9	31.1	26.6	15.0
1.80 V	208.3	162.1	133.2	115.9	92.1	77.7	60.5	50.3	42.6	37.9	30.4	25.8	14.6
1.83 V	177.5	142.7	119.6	105.5	85.4	73.1	57.3	47.9	41.0	36.4	29.4	25.1	14.2
1.85 V	158.1	129.6	109.4	97.0	80.1	69.5	54.9	46.3	39.7	35.5	28.5	24.5	13.9
1.87 V	138.5	115.5	99.3	89.2	74.8	66.0	52.5	44.0	38.0	33.9	27.5	23.7	13.5
1.90 V	109.3	96.4	85.0	77.7	65.8	58.1	47.4	40.5	34.8	31.4	25.3	22.1	12.4

## 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	548.2	393.2	305.1	254.9	195.2	162.5	124.2	103.2	87.1	76.7	61.1	52.6	29.8
1.65 V	519.3	381.1	297.9	250.2	192.2	160.4	122.9	102.1	86.3	76.0	60.5	52.1	29.5
1.70 V	482.3	362.5	286.9	243.0	188.1	157.3	120.9	100.6	85.1	74.9	59.9	51.5	29.3
1.75 V	444.6	335.0	269.3	230.7	182.2	152.6	118.0	97.7	83.6	73.7	59.4	50.8	28.9
1.80 V	378.5	295.2	244.1	213.4	169.8	144.8	113.3	94.9	80.8	71.8	58.2	49.5	28.3
1.83 V	327.0	263.8	221.3	195.4	159.2	137.1	108.2	91.1	78.1	69.5	56.6	48.6	27.7
1.85 V	294.4	241.4	204.2	181.3	150.5	131.2	104.4	88.5	76.0	68.1	55.1	47.4	27.2
1.87 V	260.0	217.9	187.7	168.9	141.8	126.1	101.1	84.9	73.2	65.4	53.3	46.4	26.5
1.90 V	208.6	184.7	162.7	148.6	126.3	111.6	91.9	78.6	67.8	61.3	49.4	43.5	24.7

## Diagrams



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