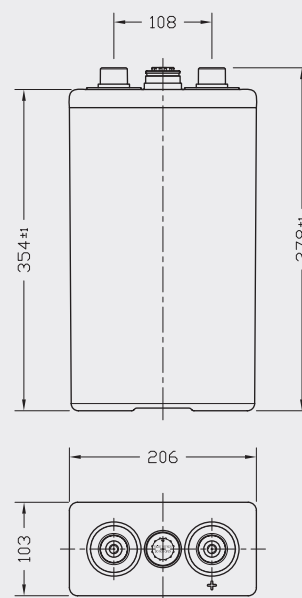


## OPzV Cell 2V 4 OPzV 200

### Technical Characteristics

Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	213
Plate Capacity (Ah), C <sub>10</sub> (1.8 V/cell, 20 °C)	50
Number of plates (+) per cell	4
Alloy of positive plates	Lead Calcium Tin Alloy
Nominal voltage of battery cell (V)	2
Electrolyte	Sulfuric Acid, immobilized as gel
Floating voltage set point (V/cell)	2.25
Maximum initial charge current (A) 0.4 C <sub>10</sub>	80
Recommended Boost Charge Voltage (V/cell)	2.35
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)	2010
Internal resistance (mOhm/cell)	1.02
Number of cycles at 60% depth of discharge	1650
Self-discharge rate per month at 20 °C	2%
Efficiency factor (kWh)	85%
Efficiency factor (Ah)	95%
Dimensions in mm (LxWxH)	103x206x378
Weight (kg)	19.5
Type and number of poles	M10 / 2



# OPzV Cell 2V 4 OPzV 200

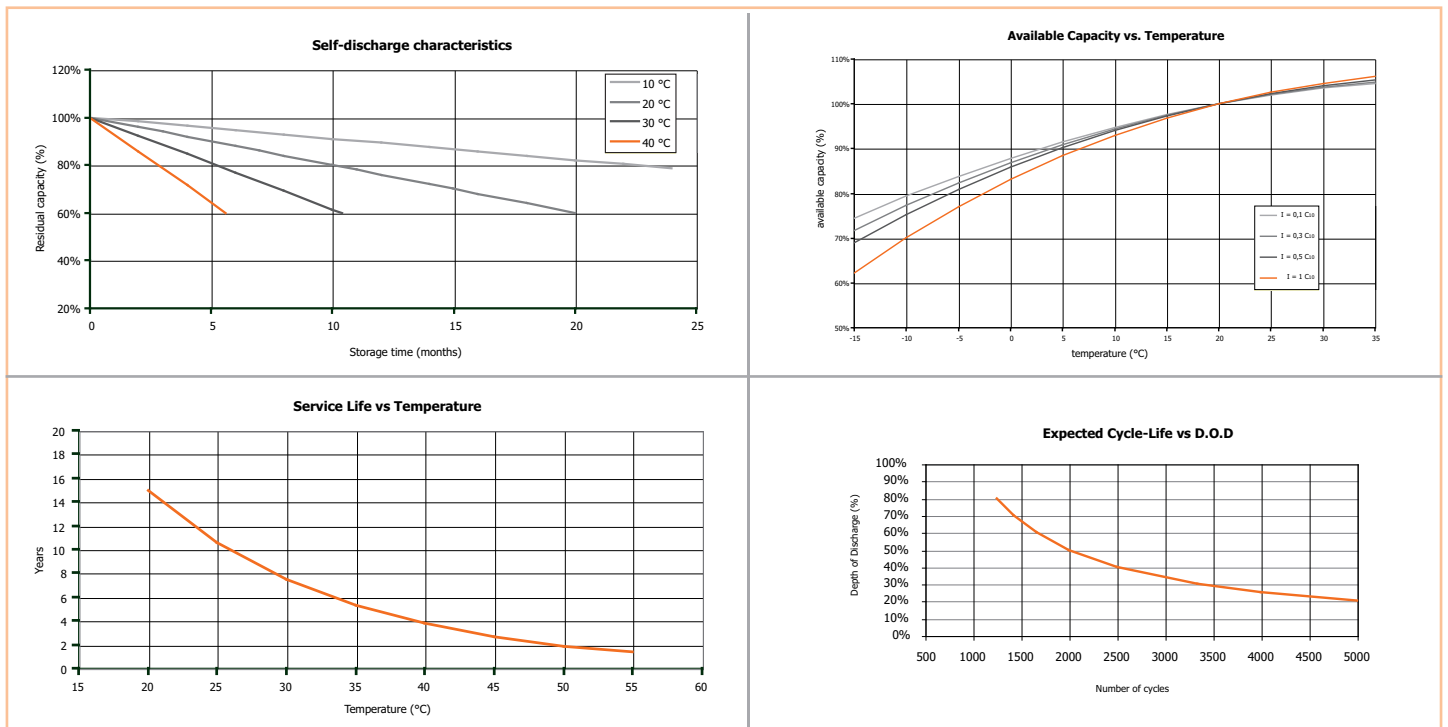
## Constant Current Discharge in A/cell (at 20 °C)

Vend	Discharge Time											
	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h
1.60 V	266.7	239.2	186.0	153.3	130.6	82.5	61.0	48.7	40.8	35.2	27.8	23.2
1.65 V	252.3	227.8	179.8	149.1	127.7	81.1	60.1	48.1	40.3	34.8	27.5	22.9
1.70 V	233.8	212.3	170.0	142.7	123.0	79.2	58.9	47.2	39.6	34.2	27.1	22.6
1.75 V	211.0	192.7	156.0	132.3	115.2	75.9	56.9	45.9	38.5	33.4	26.5	22.1
1.80 V	183.9	169.3	138.5	118.3	103.6	70.1	53.4	43.4	36.7	31.9	25.4	21.3
1.83 V	165.6	153.3	126.5	108.2	95.1	65.1	50.0	40.9	34.8	30.3	24.3	20.4
1.85 V	152.5	141.8	117.7	101.1	88.9	61.2	47.3	38.8	33.0	28.9	23.2	19.5
1.87 V	138.8	129.7	108.3	93.5	82.5	57.1	44.2	36.3	31.1	27.2	21.9	18.4
1.90 V	117.0	110.3	93.5	81.1	71.9	50.2	39.1	32.2	27.6	24.2	19.6	16.5

## Constant Power Discharge in W/cell (at 20 °C)

Vend	Discharge Time											
	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h
1.60 V	427.8	390.7	315.5	266.1	230.4	150.6	113.1	91.0	76.7	66.4	52.8	44.1
1.65 V	410.7	375.9	306.2	259.6	225.6	148.2	111.4	89.9	75.7	65.7	52.2	43.6
1.70 V	388.0	355.8	291.7	249.3	217.8	144.7	109.2	88.3	74.4	64.6	51.4	43.0
1.75 V	359.1	329.7	271.3	233.2	205.2	139.0	105.7	85.8	72.5	63.0	50.3	42.0
1.80 V	322.3	296.9	245.1	211.3	186.4	128.9	99.3	81.3	69.1	60.3	48.3	40.6
1.83 V	295.9	273.5	226.8	195.2	172.7	120.2	93.3	76.8	65.6	57.4	46.2	39.0
1.85 V	276.1	256.1	212.8	183.8	162.5	113.5	88.4	73.0	62.4	54.8	44.2	37.3
1.87 V	254.8	237.1	197.9	171.3	151.8	106.3	82.8	68.5	58.8	51.5	41.7	35.2
1.90 V	219.4	205.6	173.4	150.7	133.7	94.2	73.7	61.1	52.4	46.0	37.4	31.5

## Diagrams



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