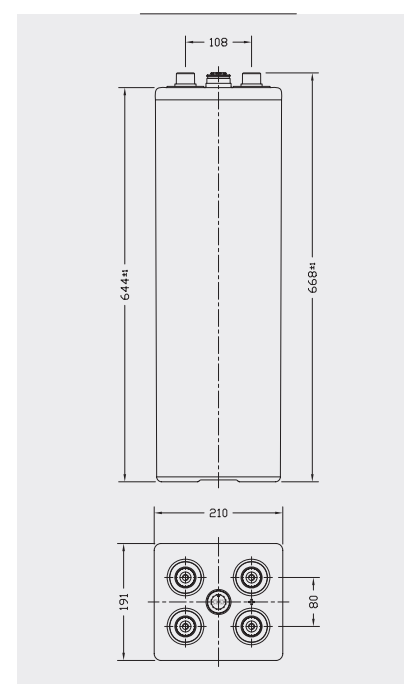


# OPzV Cell 2V 8 OPzV 800

## Technical Characteristics

Capacity (Ah), C10 (1.8 V/cell, 20 °C)	891
Plate Capacity (Ah), C10 (1.8 V/cell, 20 °C)	100
Number of plates (+) per cell	8
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 C10	320
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)	5840
Internal resistance (mOhm/cell)	0.35
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)	191x210x668
Weight (kg)	68.0
Type and number of poles	M10 / 4



# OPzV Cell 2V 8 OPzV 800

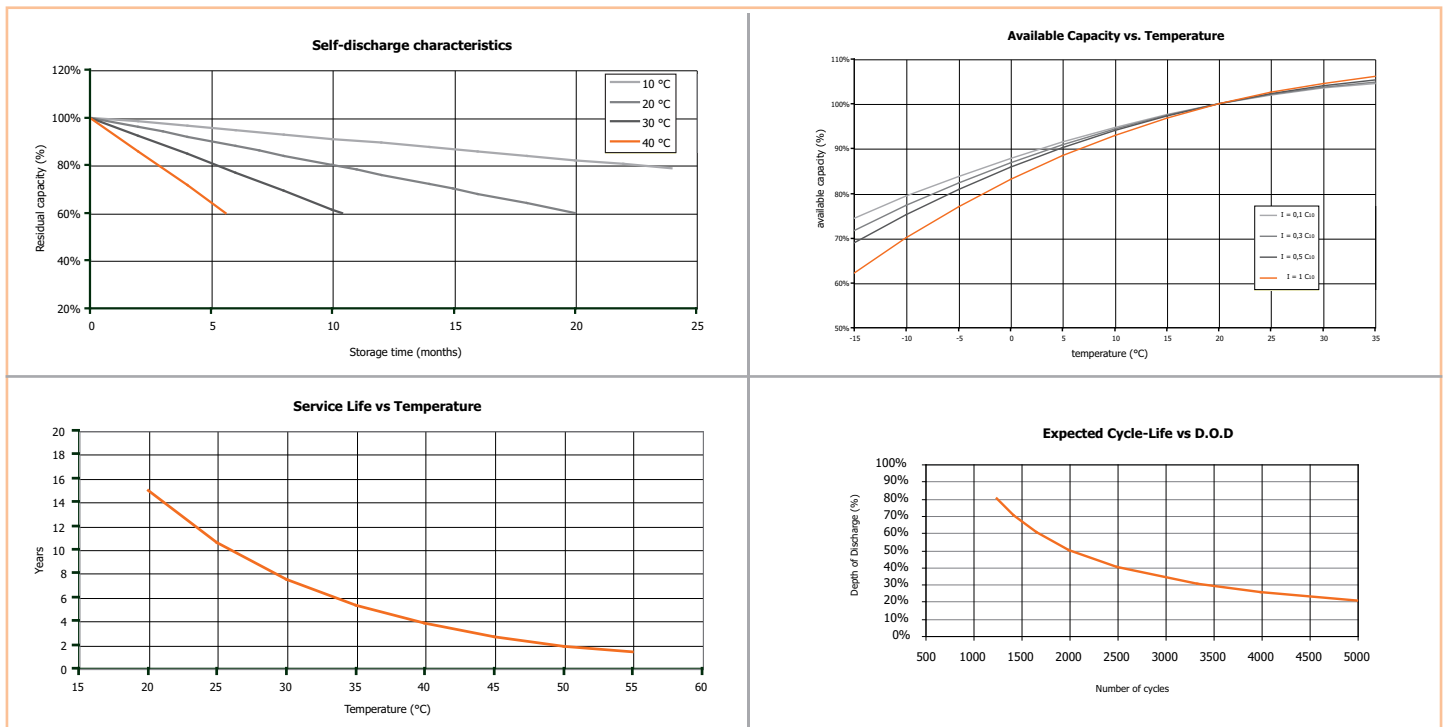
## Constant Current Discharge in A/cell (at 20 °C)

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	964.9	887.1	721.5	606.8	523.1	337.9	252.0	202.3	169.9	146.8	116.4	96.9
1.65 V	889.4	823.1	681.5	582.1	506.7	331.2	248.1	199.3	167.7	145.0	115.2	96.0
1.70 V	802.2	748.0	627.8	544.0	479.2	321.0	242.1	195.3	164.7	142.6	113.4	94.6
1.75 V	704.4	662.2	563.4	493.2	438.3	304.5	232.9	189.3	159.8	139.0	110.9	92.6
1.80 V	597.0	566.5	489.8	431.4	386.8	276.3	215.8	177.7	151.6	132.3	106.2	89.1
1.83 V	528.4	504.5	440.5	390.6	351.7	254.2	200.6	166.7	142.9	125.6	101.4	85.5
1.85 V	481.2	461.2	406.1	361.8	326.7	237.6	188.7	157.3	135.5	119.2	96.7	82.0
1.87 V	432.7	416.8	370.2	331.7	300.5	220.2	175.4	146.8	126.8	111.9	91.1	77.3
1.90 V	350.0	348.2	313.7	283.5	258.4	191.9	154.1	129.4	112.2	99.2	81.3	69.0

## 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	1509.4	1404.8	1181.9	1021.8	899.0	606.5	461.3	374.6	316.9	275.3	219.9	184.0
1.65 V	1428.3	1331.7	1129.1	985.5	873.3	594.9	454.5	369.3	312.9	272.0	217.6	182.2
1.70 V	1328.2	1241.6	1058.1	930.6	831.0	577.9	443.8	362.2	307.4	267.8	214.3	179.6
1.75 V	1205.2	1131.8	970.1	857.3	769.0	549.8	427.7	351.2	298.7	261.0	209.6	175.9
1.80 V	1057.0	999.1	864.3	764.9	689.8	502.5	397.6	330.4	283.7	248.7	200.9	169.2
1.83 V	954.9	907.1	790.1	701.9	634.4	465.5	371.3	310.7	267.9	236.4	192.1	162.6
1.85 V	881.5	840.4	736.4	656.9	594.7	437.5	350.6	294.1	254.5	224.7	183.3	156.0
1.87 V	803.7	769.5	678.9	608.1	551.8	408.0	327.4	275.4	238.9	211.5	173.0	147.2
1.90 V	680.2	655.4	585.3	527.5	480.7	358.9	289.7	244.3	212.5	188.3	154.9	131.8

## Diagrams



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