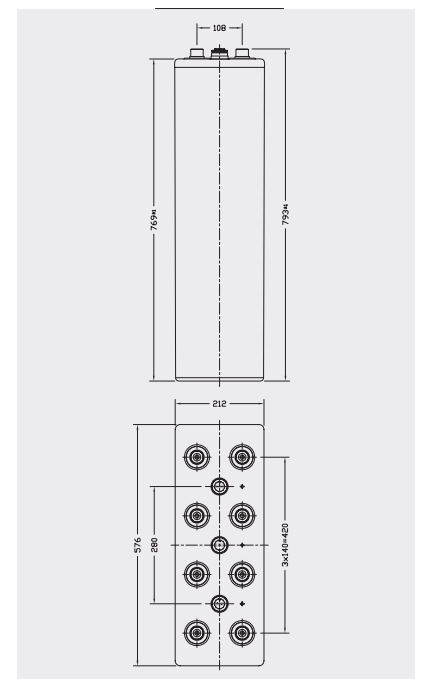




OPzV Cell 2V 24 OPzV 3000

Technical Characteristics

Capacity (Ah), C10 (1.8 V/cell, 20 °C)	3326
Plate Capacity (Ah), C10 (1.8 V/cell, 20 °C)	125
Number of plates (+) per cell	24
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	1200
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)	18300
Internal resistance (mOhm/cell)	0.11
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)	576x212x793
Weight (kg)	240.0
Type and number of poles	M10 / 8



OPzV Cell 2V 24 OPzV 3000

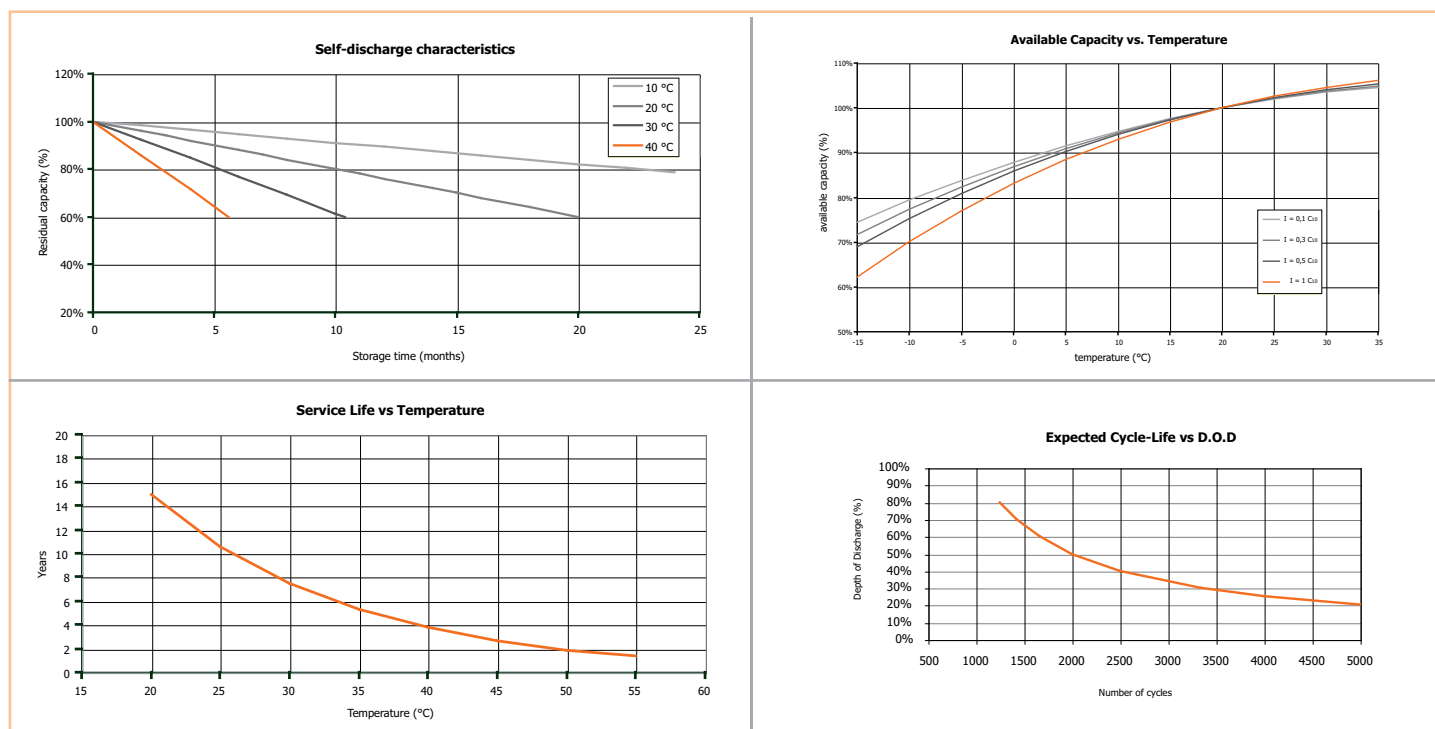
Constant Current Discharge in A/cell (at 20 °C)

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	3197.4	2989.1	2527.4	2192.4	1927.4	1276.1	957.6	770.3	647.4	560.3	444.1	370.4
1.65 V	2906.0	2734.0	2338.3	2050.8	1824.0	1240.2	937.8	757.1	637.4	551.8	438.6	365.7
1.70 V	2590.6	2454.1	2121.9	1877.6	1682.7	1183.8	906.9	736.4	622.9	540.5	430.9	359.6
1.75 V	2253.9	2149.8	1884.2	1676.0	1511.6	1092.5	856.6	704.4	598.6	522.5	418.2	350.3
1.80 V	1899.7	1824.4	1618.6	1452.8	1318.9	971.3	774.3	645.8	555.4	488.2	395.0	332.6
1.83 V	1679.5	1619.6	1450.9	1309.8	1193.5	887.2	712.1	597.0	516.9	456.2	371.6	315.4
1.85 V	1528.6	1480.4	1334.2	1209.0	1105.6	827.9	666.2	561.4	486.3	430.7	352.0	299.6
1.87 V	1378.7	1339.4	1215.0	1106.3	1015.0	765.6	619.1	522.8	453.9	402.0	329.3	280.1
1.90 V	1150.9	1123.4	1029.9	945.4	871.7	665.1	541.7	459.9	400.4	356.0	293.1	249.7

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	4963.1	4670.1	4039.8	3584.3	3215.6	2242.1	1724.7	1407.3	1194.1	1040.2	831.8	697.5
1.65 V	4662.9	4395.8	3813.7	3399.2	3068.5	2183.2	1690.6	1384.1	1176.3	1024.7	821.7	689.0
1.70 V	4301.2	4068.3	3544.2	3169.2	2870.8	2091.6	1637.8	1347.9	1149.9	1004.6	807.6	677.8
1.75 V	3874.2	3680.8	3228.4	2890.9	2625.7	1945.5	1551.7	1291.3	1107.0	971.7	784.3	660.3
1.80 V	3377.8	3228.6	2853.8	2563.6	2337.3	1750.9	1412.9	1189.2	1029.6	909.7	741.6	627.5
1.83 V	3046.9	2923.6	2601.4	2346.7	2143.9	1613.5	1308.0	1104.9	961.7	852.6	698.8	595.8
1.85 V	2811.9	2706.4	2422.7	2192.9	2007.0	1515.9	1230.0	1042.9	907.9	807.1	663.3	566.7
1.87 V	2568.1	2479.1	2232.7	2028.0	1860.0	1411.4	1149.0	975.3	850.3	755.7	622.2	530.9
1.90 V	2184.1	2118.7	1926.6	1760.4	1620.2	1240.7	1014.1	864.3	754.7	672.8	556.0	475.0

Diagrams



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