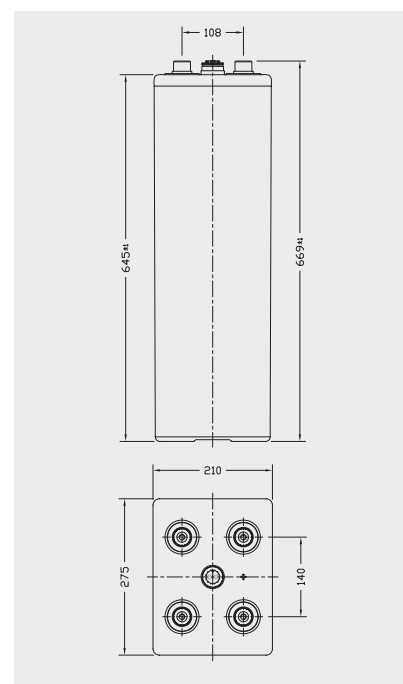


OPzV Cell 2V 12 OPzV 1200

Technical Characteristics

Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	1340
Plate Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	100
Number of plates (+) per cell	12
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 ₁₀	480
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)	8540
Internal resistance (mOhm/cell)	0.24
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)	275x210x669
Weight (kg)	97.0
Type and number of poles	M10 / 4



OPzV Cell 2V 12 OPzV 1200

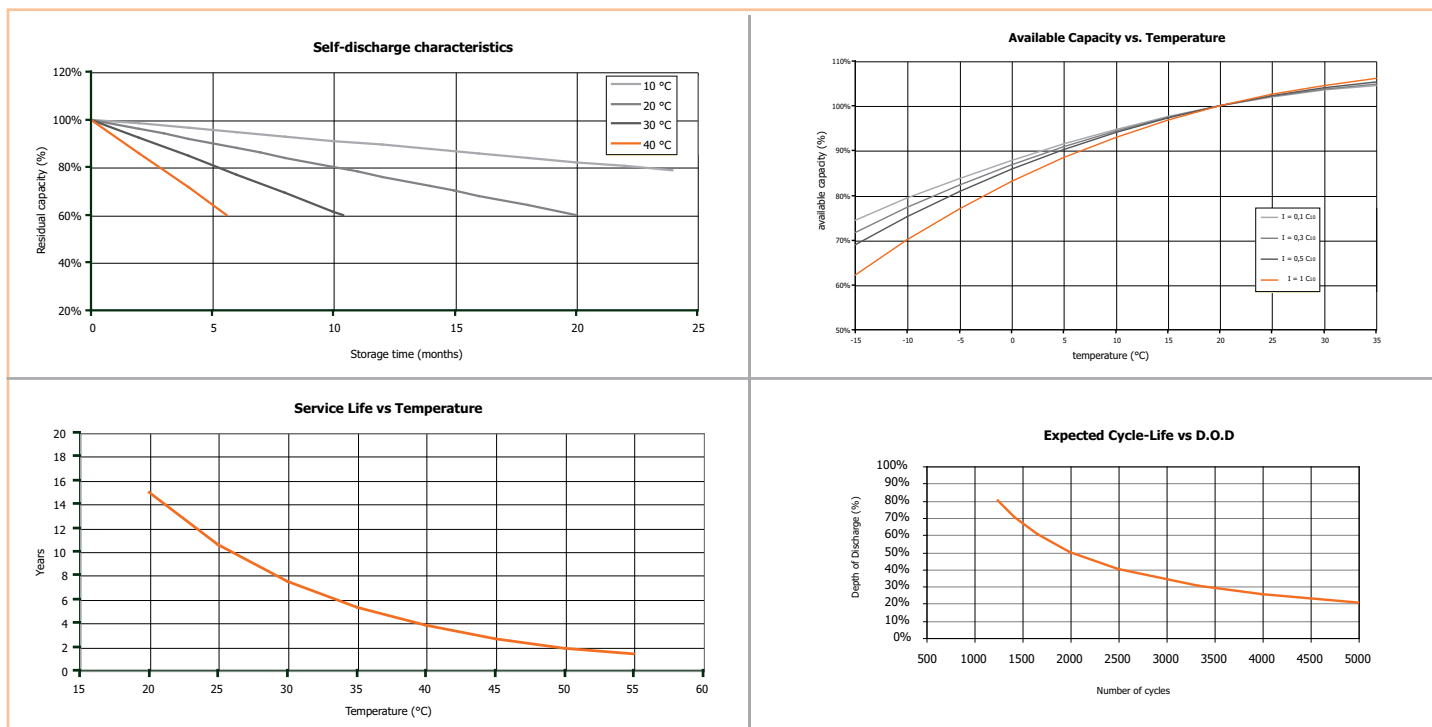
Constant Current Discharge in A/cell (at 20 °C)

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	1369.3	1264.6	1038.5	879.1	761.6	497.3	373.6	301.4	254.0	220.0	175.1	146.1
1.65 V	1256.0	1168.0	975.6	839.3	734.5	486.6	367.5	296.8	250.6	217.3	173.2	144.6
1.70 V	1128.3	1056.8	894.8	780.8	692.0	471.6	358.2	290.9	246.0	213.8	170.5	142.5
1.75 V	986.9	932.4	800.6	704.9	630.5	445.1	344.3	281.4	238.7	208.1	166.6	139.6
1.80 V	833.5	794.8	694.0	615.9	555.0	402.1	317.7	263.3	225.7	197.6	159.4	134.0
1.83 V	736.4	706.5	623.3	557.0	504.3	369.7	294.3	246.2	212.3	187.1	151.9	128.5
1.85 V	670.7	645.2	573.9	515.4	468.0	345.7	276.9	232.3	200.8	177.3	144.6	123.0
1.87 V	605.0	582.6	522.6	471.8	429.9	319.9	257.5	216.5	188.0	166.4	136.1	115.8
1.90 V	500.6	486.1	442.0	402.6	369.3	278.8	225.8	191.0	166.1	147.3	121.3	103.3

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	2137.4	1994.7	1690.9	1470.9	1300.1	888.2	681.3	556.3	472.5	411.7	330.1	276.8
1.65 V	2017.2	1886.2	1609.8	1413.6	1258.8	870.3	670.8	548.2	466.3	406.6	326.6	274.0
1.70 V	1870.0	1753.9	1504.5	1331.0	1194.8	845.0	654.7	537.6	458.0	400.2	321.6	270.1
1.75 V	1691.2	1593.7	1376.7	1222.6	1103.2	800.5	630.0	520.6	445.0	389.8	314.3	264.6
1.80 V	1478.6	1403.4	1223.5	1091.0	988.4	729.5	583.9	488.3	421.3	370.6	301.0	254.2
1.83 V	1333.6	1272.2	1117.3	1000.5	909.0	675.7	543.5	458.0	397.2	351.5	287.1	243.8
1.85 V	1230.1	1177.3	1039.8	934.6	850.8	635.6	513.5	433.6	376.6	333.9	273.8	233.7
1.87 V	1120.8	1077.0	958.7	864.0	788.2	591.7	479.8	405.7	353.6	314.0	258.1	220.3
1.90 V	948.2	916.4	826.6	750.7	688.0	521.1	424.2	360.1	314.3	279.4	230.9	197.1

Diagrams



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