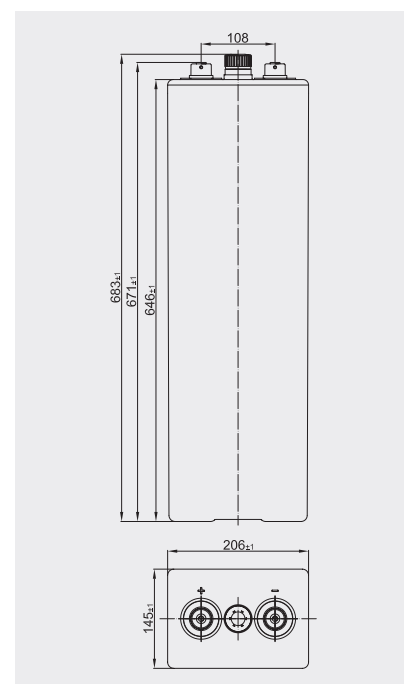


OPzS Cell 2V 6 OPzS 600

Technical Characteristics

Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	656
Plate Capacity (Ah), C ₁₀ (1.8 V/cell, 20 °C)	100
Number of plates (+) per cell	6
Content in Antimony of positive plates	≤1.65%
Nominal voltage (V)	2
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)	60
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)	4400
Internal resistance (mOhm/cell)	0.47
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)	145x206x671
Weight:	
● Without electrolyte (kg)	33.0
● With electrolyte (kg)	45.8
Type and number of poles	M10 / 2



OPzS Cell 2V 6 OPzS 600

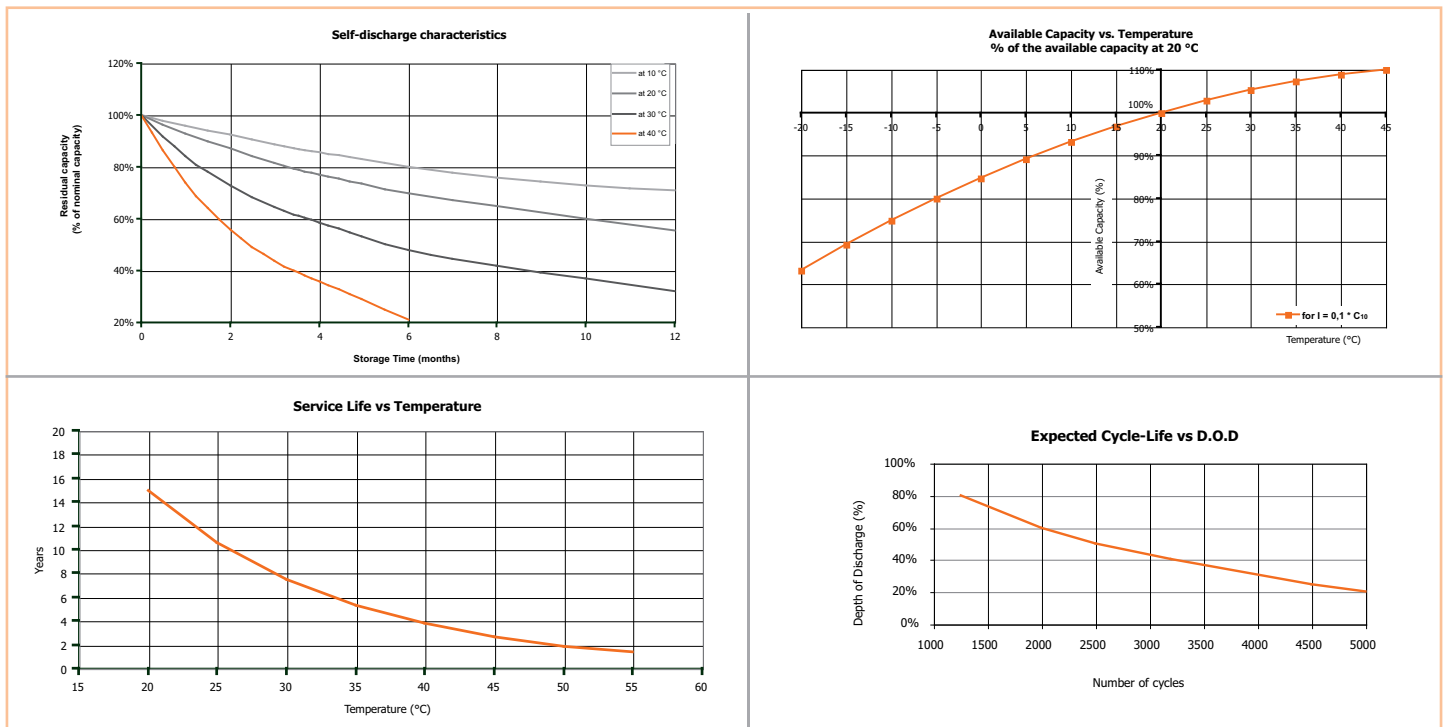
Constant Current Discharge in A/cell (at 20 °C)

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	626.4	496.9	406.7	352.8	278.1	229.5	174.6	143.0	119.5	104.9	83.2	71.2	38.4
1.65 V	570.4	466.1	389.0	342.2	272.3	225.5	172.2	141.3	118.0	103.8	82.3	70.6	38.2
1.70 V	509.1	425.8	363.7	325.2	263.1	219.5	168.7	138.9	116.2	102.3	81.2	69.7	37.8
1.75 V	442.3	380.7	332.4	301.9	248.1	210.4	163.7	135.8	113.3	99.3	78.4	67.4	37.2
1.80 V	366.1	320.5	285.2	262.5	224.1	193.4	154.5	128.8	109.1	96.7	77.5	65.6	36.6
1.83 V	316.6	282.0	254.6	236.7	205.2	179.3	144.5	121.7	104.1	92.9	75.1	63.3	35.4
1.85 V	286.5	256.2	234.2	219.7	190.4	166.5	135.6	116.6	99.9	89.5	72.4	61.4	34.3
1.87 V	253.7	231.2	211.8	199.0	174.5	155.4	127.5	109.5	95.1	84.4	68.1	58.3	33.0
1.90 V	211.0	190.2	177.0	168.1	149.7	134.5	111.6	97.0	84.6	75.7	61.9	53.5	30.1

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	1030.9	859.1	717.6	631.5	502.7	420.4	322.2	267.4	223.5	197.6	157.0	135.2	73.4
1.65 V	961.6	814.9	690.6	614.0	492.9	413.4	317.9	264.3	220.9	195.5	155.4	133.9	72.8
1.70 V	880.8	756.7	651.8	586.3	477.2	402.9	311.7	259.8	217.7	192.7	153.2	132.3	72.1
1.75 V	785.6	684.3	601.5	548.9	454.9	387.7	305.3	253.7	213.6	187.7	149.3	128.4	71.2
1.80 V	665.6	583.8	522.1	482.3	414.0	359.5	290.0	242.5	207.2	183.4	148.0	125.3	70.5
1.83 V	583.1	521.7	471.0	438.0	382.1	336.3	272.0	230.4	198.9	177.1	144.7	122.1	68.6
1.85 V	533.2	477.4	437.2	410.8	357.4	314.6	258.8	222.0	191.6	171.8	139.6	118.8	67.0
1.87 V	478.5	435.4	399.8	376.3	330.6	296.4	245.5	211.7	183.3	163.6	132.5	113.6	64.5
1.90 V	401.7	363.8	339.1	322.6	287.8	259.5	215.8	187.8	164.3	147.6	121.0	105.3	60.0

Diagrams



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