

Data Catalogue

OPzS Standby Power

Eternity Technologies vented lead-acid batteries for the standby power market. Optimised design results in a low maintenance, reliable energy storage solution for critical and unstable conditions.



Part of our Network Power range

Features

High energy density

Robust tubular positive electrode design, compliant with DIN 40736

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature 15°C to +35°C

Low self discharge rate of approximately 3% per month at 20°C

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO₂ footprint

20 year design life at 20°C



Applications

Telecommunications/ Mobile Phone Stations

Traffic Systems

UPS Systems

Emergency Lighting

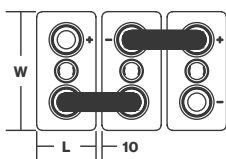
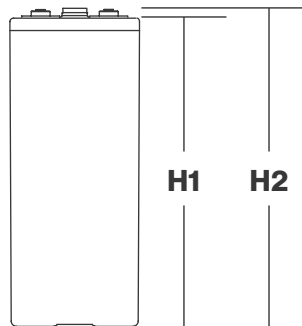
Electrical Switching

Cell specification

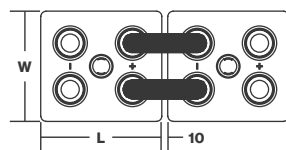
DIN Cell Type	Plate (Ah)	Length (mm)	Width (mm)	Height over lid (mm)	Height over pillar (mm)	Dry weight (kg)	Filled weight (kg)	Capacity (Ah) C10 - 1.8V Cell at 20°C	Internal resistance (mohm)	Short circuit current (A)
4 OPzS-ET 200	50	103	206	355	368	12.9	17.7	225	0.89	2150
5 OPzS-ET 250	50	124	206	355	368	15.5	21.3	280	0.74	2650
6 OPzS-ET 300	50	145	206	355	368	18.3	25.2	335	0.63	3200
5 OPzS-ET 350	70	124	206	471	484	20.0	27.4	400	0.67	2850
6 OPzS-ET 420	70	145	206	471	484	23.4	33.3	480	0.57	3450
7 OPzS-ET 490	70	166	206	471	484	26.7	36.9	560	0.5	4050
6 OPzS-ET 600	100	145	206	647	660	32.1	41.1	690	0.47	4300
7 OPzS-ET 700	100	145	206	647	660	43.0	57.0	805	0.35	5000
8 OPzS-ET 800	100	210	191	647	660	45.0	60.4	920	0.33	5700
9 OPzS-ET 900	100	210	233	647	660	52.5	71.5	1035	0.29	6400
10 OPzS-ET 1000	100	210	233	647	660	54.5	73.6	1150	0.27	7100
11 OPzS-ET 1100	100	210	275	647	660	59.0	83.5	1265	0.23	7850
12 OPzS-ET 1200	100	210	275	647	660	63.8	86.7	1380	0.23	8550
12 OPzS-ET 1500	125	210	275	797	810	77.1	105.6	1650	0.23	8450
14 OPzS-ET 1750	125	214	399	772	785	93.5	133.5	1925	0.20	10650
15 OPzS-ET 1875	125	214	399	772	785	97.5	142.5	2062.5	0.17	11390
16 OPzS-ET 2000	125	214	399	772	785	103.8	146.2	2200	0.17	12150
18 OPzS-ET 2250	125	212	487	772	785	119.0	165.0	2475	0.15	13680
19 OPzS-ET 2375	125	212	487	772	785	122.0	172.0	2610	0.15	14440
20 OPzS-ET 2500	125	212	487	772	785	127.5	178.8	2750	0.13	15200
22 OPzS-ET 2750	125	212	575	772	785	138.4	200.8	3025	0.11	16750
24 OPzS-ET 3000	125	212	575	772	785	147.1	209.1	3300	0.11	18300
26 OPzS-ET 3250	125	212	575	772	785	159.5	222.0	3575	0.11	19800

H1: Height over lid
H2: Height over pillar
M10 threaded terminal
Torque: 23Nm

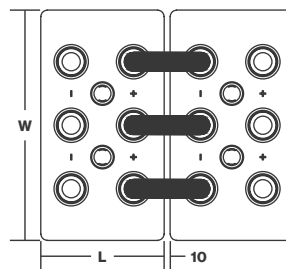
Not to scale



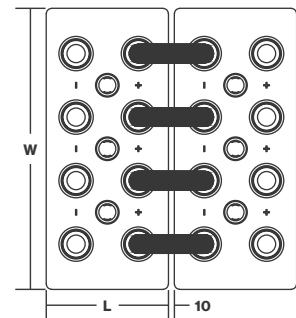
**4 OPzS-ET 200 to
7 OPzS-ET 700**



**8 OPzS-ET 800 to
12 OPzS-ET 1500**



**14 OPzS-ET 1750 to
16 OPzS-ET 2000**



**18 OPzS-ET 2250 to
26 OPzS-ET 3250**

Constant current discharge data

1.90 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	114.6	114.6	109.3	102.7	96.7	79.1	66.7	57.8	45.7	38.0	32.7	23.7	19.2	10.6
5 OPzS-ET 250	138.4	138.4	132.1	124.7	118.3	96.9	82.1	71.6	56.3	46.8	40.5	29.3	23.9	13.2
6 OPzS-ET 300	160.1	160.1	153.7	145.2	137.8	114.5	97.2	85.2	66.7	55.4	48.1	34.8	28.6	15.8
5 OPzS-ET 350	160.0	160.0	154.7	151.6	140.0	121.1	106.3	92.9	76.8	64.3	56.0	40.8	34.0	19.2
6 OPzS-ET 420	184.6	184.6	178.3	175.1	163.5	141.4	124.5	110.8	92.2	77.1	67.2	48.9	40.8	23.0
7 OPzS-ET 490	211.3	211.3	203.9	200.8	187.0	161.7	143.7	127.8	107.8	90.1	78.4	57.2	47.7	26.8
6 OPzS-ET 600	231.4	231.4	226.3	218.2	204.0	177.6	158.3	143.1	118.7	102.5	92.4	69.0	58.7	33.1
7 OPzS-ET 700	270.0	270.0	264.0	254.6	238.0	207.2	184.7	167.0	138.5	119.6	107.8	80.5	68.5	38.6
8 OPzS-ET 800	325.5	325.5	314.4	308.4	285.1	250.7	219.4	196.1	160.7	139.5	125.4	92.0	78.3	44.2
9 OPzS-ET 900	356.8	356.8	346.9	336.9	313.2	274.1	241.5	217.9	179.7	156.2	139.9	103.5	88.0	49.7
10 OPzS-ET 1000	396.4	396.4	385.4	374.3	348.0	304.6	268.3	242.1	199.7	173.5	155.4	115.0	97.8	55.2
11 OPzS-ET 1100	423.9	423.9	414.6	399.9	373.0	325.1	289.9	263.2	217.9	189.3	169.9	126.5	107.1	60.8
12 OPzS-ET 1200	462.4	462.4	452.3	436.2	406.9	354.6	316.3	287.1	237.7	206.5	185.3	138.0	116.8	66.3
12 OPzS-ET 1500	396.0	396.0	390.2	382.4	370.8	332.9	310.6	288.3	249.4	221.3	200.9	151.4	132.0	70.0
14 OPzS-ET 1750	503.9	503.9	492.8	480.8	462.0	405.6	373.0	343.1	290.9	258.4	234.4	177.1	154.0	81.6
15 OPzS-ET 1875	539.9	539.9	528.0	515.2	495.0	434.5	399.7	367.6	311.6	276.8	251.2	189.8	165.0	87.5
16 OPzS-ET 2000	575.9	575.9	563.2	549.5	528.0	463.5	426.3	392.1	332.4	295.3	267.9	202.4	176.0	93.3
18 OPzS-ET 2250	647.0	647.0	632.9	618.8	594.0	526.9	479.1	440.2	373.9	331.5	302.3	228.1	198.0	105.2
19 OPzS-ET 2375	683.0	683.0	668.0	653.1	627.0	556.1	505.7	464.6	394.6	349.9	319.1	240.7	209.0	111.1
20 OPzS-ET 2500	718.9	718.9	703.2	687.5	660.0	585.4	532.3	489.1	415.4	368.3	335.9	253.4	220.0	116.9
22 OPzS-ET 2750	791.5	791.5	773.4	756.3	726.0	637.3	585.8	538.5	456.8	405.4	369.1	278.3	242.0	128.1
24 OPzS-ET 3000	831.4	831.4	815.6	795.9	765.4	678.7	626.5	577.3	498.4	442.3	402.9	303.4	264.0	139.9
26 OPzS-ET 3250	900.7	900.7	883.6	862.2	829.2	735.3	678.7	625.4	539.9	479.2	436.5	328.7	286.0	151.6

1.87 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	141.9	140.9	131.4	124.1	112.5	88.6	74.0	63.5	49.9	41.0	35.0	24.9	20.7	11.1
5 OPzS-ET 250	172.2	170.1	159.5	150.0	137.4	108.8	91.2	78.7	61.5	50.6	43.4	30.9	25.7	13.9
6 OPzS-ET 300	200.4	197.2	185.5	176.0	161.1	128.3	108.1	93.7	72.8	59.9	51.6	36.8	30.7	16.6
5 OPzS-ET 350	200.0	196.8	189.5	183.2	168.4	142.1	121.1	105.1	84.0	70.0	60.8	43.9	36.6	20.3
6 OPzS-ET 420	227.9	225.8	218.4	212.0	196.2	165.6	142.4	124.5	100.9	84.1	73.0	52.7	44.0	24.4
7 OPzS-ET 490	261.0	258.9	249.4	242.0	225.1	189.1	164.8	143.7	117.3	97.7	85.2	61.5	51.2	28.4
6 OPzS-ET 600	283.1	281.1	270.9	260.8	242.5	210.0	183.7	165.4	132.9	112.6	99.9	74.0	63.2	35.0
7 OPzS-ET 700	330.3	328.0	316.1	304.3	282.9	245.0	214.3	193.0	155.1	131.4	116.6	86.3	73.7	40.8
8 OPzS-ET 800	407.4	400.4	382.2	369.0	340.7	293.2	254.8	224.4	180.0	153.7	135.5	99.2	84.3	46.6
9 OPzS-ET 900	439.4	435.8	418.5	403.1	374.0	322.3	280.5	250.6	200.6	170.6	151.7	111.7	94.4	52.5
10 OPzS-ET 1000	488.2	484.2	465.0	447.9	415.6	358.1	311.7	278.4	222.9	189.6	168.5	124.1	104.9	58.3
11 OPzS-ET 1100	518.9	515.3	496.7	478.3	445.0	384.1	337.1	302.9	243.7	207.7	182.8	135.8	115.4	64.2
12 OPzS-ET 1200	566.1	562.1	541.9	521.8	485.5	419.0	367.7	330.4	265.9	226.6	199.4	148.1	125.9	70.0
12 OPzS-ET 1500	506.6	505.7	496.0	483.4	464.9	406.7	373.7	341.6	288.3	249.4	223.2	167.9	143.6	77.5
14 OPzS-ET 1750	645.1	643.4	625.5	609.2	578.4	494.6	449.1	404.7	335.4	290.1	260.9	195.9	167.7	89.9
15 OPzS-ET 1875	691.1	689.3	670.1	652.7	619.7	529.9	481.2	433.6	359.3	310.8	279.6	209.9	179.6	96.3
16 OPzS-ET 2000	737.2	735.3	714.8	696.2	661.0	565.2	513.3	462.5	383.3	331.5	298.2	223.9	191.6	102.7
18 OPzS-ET 2250	828.3	827.4	804.4	782.3	688.6	636.4	578.1	520.7	431.4	373.9	335.9	251.0	215.6	116.6
19 OPzS-ET 2375	874.3	873.3	849.1	825.7	726.8	671.7	610.2	549.6	455.3	394.6	354.5	265.0	227.6	123.1
20 OPzS-ET 2500	920.3	919.3	893.8	869.2	765.1	707.1	642.3	578.5	479.3	415.4	373.2	278.9	239.6	129.6
22 OPzS-ET 2750	1013.4	1013.4	984.1	956.9	910.5	777.4	705.8	636.3	527.4	456.8	410.4	307.5	264.2	142.2
24 OPzS-ET 3000	1063.9	1059.0	1034.3	1004.8	957.5	828.4	754.6	682.7	575.3	498.4	448.2	334.9	287.6	154.7
26 OPzS-ET 3250	1152.6	1147.3	1120.5	1088.5	1037.3	897.4	817.5	739.6	623.2	539.9	485.6	362.8	311.6	167.6

Constant current discharge data

1.85 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	160.9	157.7	146.1	137.7	124.1	94.9	78.9	67.4	52.8	43.1	36.7	25.9	21.7	11.6
5 OPzS-ET 250	195.5	191.2	177.5	168.0	151.1	116.2	97.2	83.5	65.0	53.1	45.3	32.0	26.9	14.5
6 OPzS-ET 300	227.9	222.6	206.7	196.1	177.0	137.8	115.6	99.3	77.0	63.0	54.0	38.1	32.2	17.3
5 OPzS-ET 350	226.3	222.1	212.6	204.2	187.4	155.8	130.5	112.6	88.8	73.9	64.0	46.0	38.4	21.1
6 OPzS-ET 420	257.4	253.2	244.7	236.3	218.4	181.5	154.0	134.0	106.5	88.6	76.8	55.2	46.1	25.2
7 OPzS-ET 490	294.8	289.5	280.0	270.5	250.4	207.1	177.5	155.3	124.7	103.7	89.6	64.5	53.8	29.4
6 OPzS-ET 600	317.6	313.5	300.4	290.2	268.9	231.4	200.9	179.6	142.1	119.7	104.5	77.3	66.3	36.2
7 OPzS-ET 700	370.5	365.8	350.5	338.6	313.7	270.0	234.4	209.5	165.8	139.7	121.9	90.2	77.4	42.2
8 OPzS-ET 800	462.0	450.9	426.6	409.5	377.1	321.5	278.0	243.6	193.1	162.8	142.5	104.1	88.4	48.3
9 OPzS-ET 900	495.7	489.3	465.8	447.6	414.0	354.1	306.9	271.4	215.2	180.6	158.9	116.2	99.0	54.4
10 OPzS-ET 1000	550.8	543.7	517.5	497.3	460.0	393.4	341.0	301.6	239.1	200.7	176.5	129.1	110.0	60.4
11 OPzS-ET 1100	582.6	575.2	551.3	530.9	493.1	423.9	368.4	328.7	260.4	218.8	192.0	141.3	121.9	66.4
12 OPzS-ET 1200	635.6	627.5	601.4	579.2	537.9	462.4	401.9	358.6	284.1	238.7	209.5	154.1	133.0	72.4
12 OPzS-ET 1500	581.4	578.5	565.9	551.3	528.0	455.2	415.4	376.6	313.5	268.9	238.8	178.6	151.4	82.5
14 OPzS-ET 1750	740.1	736.7	714.4	693.9	657.0	554.4	500.5	446.6	365.3	313.2	279.0	207.9	177.1	95.8
15 OPzS-ET 1875	792.9	789.3	765.4	743.4	704.0	594.0	536.3	478.5	391.4	335.5	298.9	222.8	189.8	102.7
16 OPzS-ET 2000	845.8	841.9	816.4	793.0	750.9	633.6	572.0	510.4	417.5	357.9	318.8	237.6	202.4	109.5
18 OPzS-ET 2250	950.2	945.8	919.3	892.8	845.0	712.4	643.5	573.7	470.3	403.1	358.9	266.9	228.1	123.8
19 OPzS-ET 2375	1003.0	998.4	970.3	942.4	892.0	752.0	679.3	605.5	496.4	425.5	378.9	281.8	240.7	130.6
20 OPzS-ET 2500	1055.8	1050.9	1021.4	992.0	938.9	791.6	715.0	637.4	522.5	447.9	398.8	296.6	253.4	137.5
22 OPzS-ET 2750	1164.6	1159.6	1124.3	1089.0	1033.5	871.2	785.5	700.8	574.8	493.1	438.6	326.7	278.3	151.3
24 OPzS-ET 3000	1221.5	1216.6	1182.1	1147.6	1083.6	927.9	839.3	752.6	626.5	537.9	478.7	356.6	303.4	164.5
26 OPzS-ET 3250	1323.3	1318.0	1280.6	1243.2	1173.9	1005.2	909.2	815.3	678.7	582.7	518.6	386.3	328.7	178.2

1.83 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	179.8	174.5	160.9	150.4	132.5	99.6	82.0	69.8	54.7	44.6	37.9	26.3	22.0	11.9
5 OPzS-ET 250	218.7	212.4	195.5	182.8	162.7	122.6	101.1	86.5	67.3	54.9	46.8	32.5	27.4	14.8
6 OPzS-ET 300	255.5	244.9	227.9	213.1	190.8	144.2	119.8	103.2	79.7	65.1	55.7	38.7	32.8	17.7
5 OPzS-ET 350	250.5	244.2	232.6	224.2	204.2	166.3	137.9	118.9	92.5	76.4	65.8	46.8	39.1	21.4
6 OPzS-ET 420	286.9	279.6	269.0	258.5	237.4	193.1	162.5	140.3	110.8	91.6	78.9	56.1	46.8	25.6
7 OPzS-ET 490	327.5	320.2	307.5	295.8	271.5	220.8	188.1	162.7	130.0	107.8	92.0	65.5	54.6	30.0
6 OPzS-ET 600	352.1	346.0	329.8	316.6	293.3	248.6	214.1	189.8	149.2	124.8	108.6	78.9	67.4	36.9
7 OPzS-ET 700	410.8	403.7	384.8	369.4	342.2	290.0	249.8	221.4	174.1	145.6	126.7	92.1	78.6	43.1
8 OPzS-ET 800	510.5	498.4	469.1	447.9	411.5	345.8	295.2	257.8	201.2	167.8	146.6	106.2	89.8	49.2
9 OPzS-ET 900	549.3	540.2	511.1	489.3	451.3	381.3	326.9	287.8	225.2	187.9	163.4	118.9	100.8	55.4
10 OPzS-ET 1000	610.3	600.2	567.9	543.7	501.4	423.7	363.2	319.8	250.2	208.8	181.6	132.1	112.0	61.5
11 OPzS-ET 1100	644.5	633.4	604.8	580.8	538.4	456.1	393.3	347.1	272.4	228.1	198.6	144.9	123.8	67.7
12 OPzS-ET 1200	703.1	691.0	659.8	633.6	587.3	497.6	429.1	378.7	297.2	248.8	216.6	158.1	135.0	73.8
12 OPzS-ET 1500	653.2	648.4	632.8	614.4	584.3	497.9	451.3	405.7	332.9	283.4	250.4	185.4	157.2	85.7
14 OPzS-ET 1750	832.5	826.4	799.1	773.4	727.2	605.8	542.4	480.8	388.4	331.1	292.6	215.6	183.1	99.2
15 OPzS-ET 1875	891.9	885.5	856.1	828.7	779.2	649.0	581.2	515.2	416.2	354.8	313.5	231.0	196.1	106.3
16 OPzS-ET 2000	951.4	944.5	913.2	883.9	831.1	692.3	619.9	549.5	443.9	378.4	334.4	246.4	209.2	113.4
18 OPzS-ET 2250	1065.2	1060.7	1029.8	994.4	937.0	778.8	698.3	618.8	500.3	426.1	376.6	276.7	236.0	128.2
19 OPzS-ET 2375	1124.3	1119.7	1087.0	1049.7	989.0	822.0	737.1	653.1	528.1	449.7	397.5	292.0	249.1	135.3
20 OPzS-ET 2500	1183.5	1178.6	1144.2	1104.9	1041.1	865.3	775.9	687.5	555.9	473.4	418.4	307.4	262.2	142.4
22 OPzS-ET 2750	1305.8	1295.7	1255.4	1215.0	1144.5	951.9	853.1	756.3	611.1	520.3	460.8	338.8	288.4	157.3
24 OPzS-ET 3000	1369.3	1359.4	1324.9	1280.6	1201.8	1014.6	910.2	812.7	664.9	566.4	502.4	369.4	314.2	171.4
26 OPzS-ET 3250	1483.4	1472.7	1435.3	1387.3	1302.0	1099.2	986.1	880.4	720.3	613.6	544.3	400.2	340.4	185.7

Constant current discharge data

1.80 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	209.2	199.8	182.9	169.3	147.2	106.2	86.7	73.5	57.4	46.7	39.5	26.9	22.5	12.4
5 OPzS-ET 250	254.6	243.0	222.9	206.0	179.6	131.0	106.7	91.2	70.7	57.6	48.9	33.4	28.0	15.4
6 OPzS-ET 300	297.9	284.1	259.7	240.6	211.0	154.8	127.2	109.2	83.8	68.2	58.2	39.6	33.5	18.4
5 OPzS-ET 350	287.4	277.9	264.2	252.6	227.4	181.1	148.4	126.3	98.0	80.2	68.4	48.0	40.0	22.0
6 OPzS-ET 420	331.3	319.6	304.9	292.2	265.8	211.0	175.1	149.8	117.1	95.9	82.1	57.6	48.0	26.4
7 OPzS-ET 490	378.3	365.6	348.7	333.9	303.2	242.0	202.9	173.3	137.4	112.0	95.7	67.2	56.0	30.9
6 OPzS-ET 600	403.9	393.7	373.4	357.2	329.8	275.0	235.4	205.0	158.3	130.9	113.6	81.4	69.0	38.0
7 OPzS-ET 700	471.2	459.3	435.6	416.7	384.8	320.8	274.6	239.2	184.7	152.7	132.5	95.0	80.5	44.3
8 OPzS-ET 800	578.3	570.2	533.8	506.5	462.0	382.2	322.5	280.0	213.3	176.9	153.7	109.2	92.0	50.7
9 OPzS-ET 900	631.0	615.5	580.1	552.9	507.5	421.3	357.8	311.4	238.8	197.9	171.6	122.6	103.5	57.0
10 OPzS-ET 1000	701.1	683.9	644.6	614.3	563.9	468.1	397.5	346.0	265.3	219.9	190.7	136.2	115.0	63.3
11 OPzS-ET 1100	738.7	721.1	684.2	655.6	604.8	505.1	431.2	375.8	290.9	241.0	207.7	149.6	126.5	69.7
12 OPzS-ET 1200	805.8	786.7	746.4	715.2	659.8	551.0	470.4	410.0	317.3	262.9	226.6	163.2	138.0	76.0
12 OPzS-ET 1500	761.9	754.1	733.8	709.5	669.7	561.0	504.7	448.4	363.0	306.7	268.9	195.1	165.0	90.5
14 OPzS-ET 1750	971.1	962.5	924.0	889.8	833.4	682.8	606.6	532.2	423.5	357.6	314.0	226.7	192.5	105.3
15 OPzS-ET 1875	1040.4	1031.3	990.0	953.3	892.9	731.5	649.9	570.2	453.8	383.2	336.4	242.9	206.3	112.8
16 OPzS-ET 2000	1109.8	1100.0	1056.0	1016.9	952.4	780.3	693.2	608.2	484.0	408.7	358.8	259.1	220.0	120.3
18 OPzS-ET 2250	1228.7	1215.4	1188.9	1149.1	1069.6	877.8	781.4	685.1	544.5	459.6	403.1	291.7	247.5	135.3
19 OPzS-ET 2375	1296.9	1282.9	1255.0	1213.0	1129.0	926.5	824.8	723.1	574.8	485.2	425.5	307.9	261.3	142.8
20 OPzS-ET 2500	1365.2	1350.4	1321.0	1276.8	1188.4	975.3	868.2	761.2	605.0	510.7	447.9	324.1	275.0	150.3
22 OPzS-ET 2750	1522.6	1507.5	1457.0	1401.6	1310.8	1073.9	953.9	836.9	665.5	561.6	493.1	357.0	302.5	165.4
24 OPzS-ET 3000	1595.8	1581.0	1531.8	1477.6	1379.1	1142.7	1019.6	897.4	726.0	612.7	537.9	389.1	330.0	181.3
26 OPzS-ET 3250	1728.8	1712.8	1659.5	1600.7	1494.0	1237.9	1104.6	972.2	786.5	663.8	582.7	421.5	357.5	196.4

1.75 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	255.5	237.6	215.5	195.6	166.1	114.6	91.7	77.3	60.0	48.7	41.1	28.1	23.2	12.7
5 OPzS-ET 250	310.6	289.5	263.1	237.7	203.9	141.6	113.1	95.9	74.0	60.0	50.8	34.8	28.8	15.8
6 OPzS-ET 300	363.6	338.2	307.4	278.8	239.6	167.5	134.6	114.5	87.6	71.0	60.5	41.3	34.6	18.9
5 OPzS-ET 350	350.5	332.6	311.6	295.8	260.0	200.0	161.1	135.8	102.4	83.9	71.6	49.6	41.2	22.6
6 OPzS-ET 420	404.0	384.0	359.7	340.7	303.8	233.1	189.9	160.4	122.4	100.2	85.9	59.5	49.5	27.1
7 OPzS-ET 490	462.8	439.5	412.1	389.9	346.6	266.3	218.7	186.0	143.7	117.3	100.3	69.4	57.7	31.6
6 OPzS-ET 600	487.1	468.8	443.4	422.1	386.6	310.5	261.8	223.2	169.5	138.0	117.7	84.2	71.0	39.0
7 OPzS-ET 700	568.3	546.9	517.3	492.5	451.0	362.3	305.4	260.4	197.8	161.0	137.3	98.2	82.8	45.5
8 OPzS-ET 800	710.7	684.4	636.9	598.5	539.9	434.7	356.9	306.3	228.5	186.0	158.7	113.2	93.8	52.0
9 OPzS-ET 900	765.4	737.2	690.9	652.8	593.7	477.5	397.6	339.6	255.2	207.9	177.9	127.1	106.2	58.5
10 OPzS-ET 1000	850.4	819.1	767.7	725.3	659.7	530.6	441.8	377.3	283.5	231.0	197.7	141.2	118.0	65.0
11 OPzS-ET 1100	893.8	860.6	813.5	773.8	708.2	569.7	481.1	409.0	310.3	252.1	215.1	154.2	130.2	71.5
12 OPzS-ET 1200	975.1	938.8	887.4	844.1	772.6	621.5	524.8	446.2	338.5	275.0	234.7	168.2	142.0	78.0
12 OPzS-ET 1500	937.6	924.0	895.9	858.0	799.8	656.1	580.4	508.6	400.9	335.8	292.1	205.8	172.8	94.5
14 OPzS-ET 1750	1193.5	1176.4	1129.4	1078.0	996.7	798.3	699.0	603.1	468.0	391.8	340.6	240.5	201.1	110.3
15 OPzS-ET 1875	1278.8	1260.4	1210.0	1155.0	1067.9	855.3	748.9	646.2	501.4	419.8	364.9	257.6	215.4	118.2
16 OPzS-ET 2000	1364.0	1344.4	1290.7	1232.0	1139.1	912.3	798.8	689.3	534.8	447.8	389.2	274.8	229.8	126.1
18 OPzS-ET 2250	1533.6	1511.6	1454.0	1383.4	1281.7	1029.8	897.2	775.2	601.1	502.9	438.4	309.4	259.0	142.3
19 OPzS-ET 2375	1618.8	1595.5	1534.8	1460.2	1352.9	1087.0	947.1	818.2	634.5	530.9	462.7	326.6	273.4	150.2
20 OPzS-ET 2500	1704.0	1679.5	1615.6	1537.1	1424.1	1144.2	996.9	861.3	667.9	558.8	487.1	343.8	287.8	158.1
22 OPzS-ET 2750	1870.5	1845.3	1779.7	1694.0	1562.9	1255.4	1099.1	947.8	735.1	615.1	535.4	378.1	315.6	173.4
24 OPzS-ET 3000	1970.1	1940.6	1871.6	1783.0	1650.0	1339.7	1172.2	1014.6	801.9	670.8	584.1	412.7	344.8	189.1
26 OPzS-ET 3250	2134.3	2102.3	2027.6	1931.6	1787.5	1451.3	1269.9	1099.2	868.7	726.7	632.8	447.1	373.5	204.9

Constant current discharge data

1.70 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	298.6	271.3	240.8	216.6	180.8	120.9	94.9	79.1	61.6	49.7	41.7	28.3	23.4	12.8
5 OPzS-ET 250	363.5	330.7	293.7	264.2	221.9	149.0	117.3	98.3	75.9	61.2	51.7	35.0	29.2	16.0
6 OPzS-ET 300	427.2	388.0	344.5	309.6	261.9	176.0	139.9	117.7	89.9	72.5	61.5	41.7	34.9	19.1
5 OPzS-ET 350	414.7	387.4	356.8	332.6	288.4	212.6	169.5	141.1	105.3	85.7	73.2	49.6	42.0	23.2
6 OPzS-ET 420	477.9	446.2	411.4	384.0	336.5	247.9	199.4	166.7	126.6	103.1	87.9	61.0	50.4	27.9
7 OPzS-ET 490	546.3	510.3	471.2	439.5	384.6	284.2	230.3	193.4	147.9	120.5	102.5	71.1	58.9	32.4
6 OPzS-ET 600	570.3	542.9	514.5	486.0	439.4	342.0	283.1	236.4	175.5	141.0	119.7	85.5	71.7	39.7
7 OPzS-ET 700	665.4	633.4	600.3	567.0	512.6	399.0	330.3	275.8	204.8	164.5	139.7	99.8	83.7	46.3
8 OPzS-ET 800	833.1	793.6	736.0	685.5	612.7	476.2	383.2	325.5	239.6	192.1	161.8	115.3	95.6	52.9
9 OPzS-ET 900	897.0	854.4	799.8	749.9	674.6	523.9	427.6	360.5	266.9	215.2	180.6	128.9	108.0	59.6
10 OPzS-ET 1000	996.7	949.3	888.7	833.2	749.5	582.1	475.1	400.5	296.6	239.1	200.7	143.2	120.0	66.2
11 OPzS-ET 1100	1048.0	997.2	941.8	890.1	806.1	626.0	518.9	433.0	322.2	259.5	218.8	156.9	131.1	72.8
12 OPzS-ET 1200	1143.3	1087.9	1027.4	971.0	879.4	682.9	566.1	472.4	351.5	283.1	238.7	171.2	143.0	79.4
12 OPzS-ET 1500	1111.3	1091.9	1053.1	999.7	922.1	745.4	645.4	556.1	429.0	356.2	308.6	212.6	176.6	97.1
14 OPzS-ET 1750	1415.9	1390.3	1330.4	1257.6	1150.7	906.9	776.0	659.7	500.5	415.8	360.2	248.2	206.2	113.0
15 OPzS-ET 1875	1517.1	1489.6	1425.4	1347.5	1232.9	971.6	831.4	706.8	536.3	445.5	385.9	265.9	220.9	121.0
16 OPzS-ET 2000	1618.2	1588.9	1520.4	1437.3	1315.1	1036.4	886.8	753.9	572.0	475.2	411.6	283.6	235.6	129.1
18 OPzS-ET 2250	1820.9	1785.5	1706.0	1617.6	1476.2	1166.8	998.8	848.6	643.5	534.8	463.1	319.1	265.1	145.9
19 OPzS-ET 2375	1922.0	1884.7	1800.7	1707.4	1558.2	1231.6	1054.3	895.8	679.3	564.5	488.9	336.9	279.9	154.0
20 OPzS-ET 2500	2023.2	1983.9	1895.5	1797.3	1640.2	1296.4	1109.8	942.9	715.0	594.2	514.6	354.6	294.6	162.1
22 OPzS-ET 2750	2223.4	2183.0	2087.3	1976.3	1799.9	1426.8	1220.1	1033.5	786.5	653.4	565.7	390.2	323.7	177.5
24 OPzS-ET 3000	2339.6	2295.2	2196.7	2083.4	1901.2	1517.0	1305.2	1113.1	858.0	712.2	616.7	425.6	352.7	194.1
26 OPzS-ET 3250	2534.6	2486.5	2379.8	2257.0	2059.6	1643.4	1414.0	1205.9	929.5	771.6	668.1	461.1	382.1	210.3

1.65 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	338.6	300.7	261.8	233.4	191.4	124.1	96.7	80.3	62.5	50.2	42.2	28.3	23.4	12.8
5 OPzS-ET 250	414.2	367.7	320.2	285.3	234.6	153.2	119.4	100.0	76.9	61.9	52.2	35.0	29.2	16.0
6 OPzS-ET 300	485.5	431.5	376.3	333.9	276.7	181.3	142.1	119.8	91.2	73.5	62.1	41.7	34.9	19.1
5 OPzS-ET 350	477.9	438.9	398.9	367.4	312.6	222.1	175.8	144.2	108.4	87.3	73.6	49.6	42.0	23.2
6 OPzS-ET 420	550.7	506.4	461.0	424.1	365.0	259.5	206.8	170.9	129.8	104.5	88.3	61.0	50.4	27.9
7 OPzS-ET 490	629.7	579.0	527.2	485.0	417.4	295.8	238.8	197.6	151.1	121.5	103.0	71.1	58.9	32.4
6 OPzS-ET 600	652.5	613.9	584.5	549.0	489.1	369.4	298.3	246.6	179.6	143.1	120.8	87.7	72.5	40.0
7 OPzS-ET 700	761.3	716.2	681.9	640.5	570.6	431.0	348.0	287.7	209.5	167.0	140.9	102.3	84.6	46.7
8 OPzS-ET 800	955.4	899.8	833.1	768.4	680.4	507.5	403.4	338.7	246.7	196.1	163.8	117.3	96.7	53.4
9 OPzS-ET 900	1025.9	966.9	907.0	843.4	749.9	562.9	450.4	375.8	274.1	218.8	182.5	131.7	109.0	60.0
10 OPzS-ET 1000	1139.9	1074.3	1007.8	937.1	833.2	625.4	500.4	417.6	304.6	243.1	202.8	146.3	121.1	66.7
11 OPzS-ET 1100	1195.8	1126.5	1071.1	1006.5	896.6	676.9	546.6	452.4	330.6	264.1	221.7	160.7	133.0	73.4
12 OPzS-ET 1200	1304.5	1228.9	1168.5	1098.0	978.1	738.4	596.3	493.6	360.6	288.1	241.8	175.3	145.1	80.1
12 OPzS-ET 1500	1290.9	1261.8	1203.5	1140.4	1038.5	827.9	699.8	594.0	448.4	370.8	320.3	216.4	178.6	98.0
14 OPzS-ET 1750	1642.6	1604.1	1518.7	1433.1	1291.9	1009.6	841.8	705.0	523.6	433.0	373.0	252.4	207.9	113.8
15 OPzS-ET 1875	1760.0	1718.7	1627.1	1535.4	1384.1	1081.7	902.0	755.3	561.0	463.9	399.7	270.4	222.8	121.9
16 OPzS-ET 2000	1877.3	1833.3	1735.6	1637.8	1476.4	1153.8	962.1	805.7	598.4	494.8	426.3	288.4	237.6	130.0
18 OPzS-ET 2250	2112.6	2064.0	1957.9	1847.4	1666.2	1294.9	1078.4	906.0	673.6	556.9	480.0	324.4	266.9	146.7
19 OPzS-ET 2375	2229.9	2178.6	2066.6	1950.1	1758.7	1366.9	1138.3	956.4	711.0	587.9	506.6	342.4	281.8	154.9
20 OPzS-ET 2500	2347.3	2293.3	2175.4	2052.7	1851.3	1438.8	1198.2	1006.7	748.4	618.8	533.3	360.4	296.6	163.0
22 OPzS-ET 2750	2576.3	2515.8	2389.8	2253.6	2031.8	1583.1	1320.9	1109.2	821.8	679.6	586.9	396.3	326.7	179.5
24 OPzS-ET 3000	2713.9	2649.9	2516.9	2379.0	2142.5	1684.5	1413.6	1187.0	897.4	741.8	640.3	432.4	356.6	196.0
26 OPzS-ET 3250	2940.1	2870.7	2726.6	2577.3	2321.0	1824.9	1531.4	1285.9	972.2	803.6	693.7	468.4	386.3	212.3

Constant current discharge data

1.60 VpC	Discharge in A at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	373.2	324.9	280.7	247.1	199.8	127.2	97.6	81.3	63.0	50.0	42.0	28.3	23.4	12.8
5 OPzS-ET 250	458.6	398.3	343.4	302.2	245.1	156.4	120.5	101.1	77.6	61.6	52.0	35.0	29.2	16.0
6 OPzS-ET 300	538.5	468.6	403.9	355.1	288.4	186.6	144.2	120.9	91.8	72.9	61.8	41.7	34.9	19.1
5 OPzS-ET 350	542.1	490.5	440.0	396.8	335.8	228.4	180.0	146.3	110.5	87.8	72.8	49.6	42.0	23.2
6 OPzS-ET 420	624.5	565.5	507.4	458.9	390.3	266.9	211.0	174.1	131.9	104.8	87.3	61.0	50.4	27.9
7 OPzS-ET 490	714.3	646.6	580.1	524.1	446.9	304.3	244.1	200.8	154.3	122.6	102.0	71.1	58.9	32.4
6 OPzS-ET 600	733.6	682.9	654.5	610.9	535.8	393.7	309.5	255.7	181.6	144.1	120.8	87.7	72.5	40.0
7 OPzS-ET 700	855.9	796.7	763.6	712.7	625.1	459.3	361.1	298.3	211.9	168.1	140.9	102.3	84.5	46.6
8 OPzS-ET 800	1076.7	1002.9	927.1	846.2	745.1	529.8	420.6	345.8	250.7	197.1	163.8	117.3	96.7	53.4
9 OPzS-ET 900	1153.0	1075.9	1012.3	935.1	821.6	592.9	468.5	386.8	276.9	219.7	182.5	131.6	108.9	60.0
10 OPzS-ET 1000	1281.1	1195.4	1124.8	1039.0	912.9	658.7	520.5	429.7	307.7	244.1	202.8	146.3	121.1	66.7
11 OPzS-ET 1100	1343.5	1251.1	1200.4	1121.9	983.4	721.1	566.9	469.1	332.4	264.1	221.6	160.7	133.0	73.4
12 OPzS-ET 1200	1465.6	1364.9	1309.5	1223.9	1072.8	786.7	618.5	511.7	362.6	288.1	241.8	175.3	145.1	80.1
12 OPzS-ET 1500	1470.4	1426.8	1354.0	1281.2	1155.0	905.6	744.4	623.1	462.0	379.5	327.1	217.4	178.6	98.0
14 OPzS-ET 1750	1869.4	1818.1	1706.8	1608.4	1437.3	1103.7	894.1	739.2	539.0	443.2	380.7	254.1	207.9	113.8
15 OPzS-ET 1875	2002.9	1947.9	1828.8	1723.3	1540.0	1182.5	957.9	192.0	577.5	474.8	407.9	272.3	222.8	121.9
16 OPzS-ET 2000	2136.4	2077.8	1950.7	1838.2	1642.7	1261.3	1021.8	844.8	616.0	506.5	435.1	290.4	237.6	130.0
18 OPzS-ET 2250	2408.7	2338.0	2196.6	2068.4	1847.4	1414.3	1153.5	954.6	693.0	570.1	489.7	327.1	266.9	146.7
19 OPzS-ET 2375	2542.5	2467.9	2318.6	2183.3	1950.0	1492.9	1217.6	1007.7	731.5	601.8	516.9	345.2	281.8	154.9
20 OPzS-ET 2500	2676.3	2597.8	2440.6	2298.2	2052.7	1571.4	1281.7	1060.7	770.0	633.5	544.1	363.4	296.6	163.0
22 OPzS-ET 2750	2944.3	2858.6	2682.2	2530.9	2258.7	1729.3	1406.6	1164.6	847.0	695.8	599.0	399.3	326.7	179.5
24 OPzS-ET 3000	3088.2	2999.6	2827.2	2664.6	2379.0	1847.0	1502.2	1246.1	924.0	759.5	653.1	435.4	356.6	196.0
26 OPzS-ET 3250	3345.6	3249.5	3062.8	2886.7	2577.2	2000.9	1627.4	1350.0	1001.0	822.8	707.5	471.7	386.3	212.4

Constant power discharge data

1.90 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	217.6	217.6	208.2	196.6	185.0	152.5	128.3	111.4	88.8	74.0	64.0	46.6	38.0	21.1
5 OPzS-ET 250	263.1	263.1	252.5	237.7	226.1	186.0	158.5	138.4	109.9	91.3	79.4	57.7	47.2	26.3
6 OPzS-ET 300	305.3	305.3	293.7	277.8	265.0	219.4	187.6	165.4	129.3	108.1	94.5	68.7	56.5	31.5
5 OPzS-ET 350	305.3	305.3	295.8	290.5	268.4	233.7	204.2	180.0	149.5	125.3	109.5	80.5	67.3	38.3
6 OPzS-ET 420	352.4	352.4	340.7	334.4	312.3	272.2	240.5	213.1	179.3	149.8	131.9	96.6	80.7	46.0
7 OPzS-ET 490	402.6	402.6	389.9	382.5	357.1	311.7	277.9	247.2	209.2	175.4	154.3	113.1	94.1	53.7
6 OPzS-ET 600	440.4	440.4	432.3	416.0	389.6	340.9	305.4	278.0	230.3	199.9	181.6	136.0	115.7	66.1
7 OPzS-ET 700	513.8	513.8	504.3	485.4	454.6	397.8	356.3	324.4	268.7	233.2	211.9	158.6	135.0	77.1
8 OPzS-ET 800	620.7	620.7	600.5	588.4	545.9	483.3	422.6	379.1	313.4	272.0	245.7	182.0	154.7	88.1
9 OPzS-ET 900	679.1	679.1	661.9	643.7	599.2	528.4	466.7	421.3	349.5	304.1	274.2	204.3	174.3	99.0
10 OPzS-ET 1000	754.6	754.6	735.4	715.2	665.8	587.1	518.5	468.1	388.4	337.9	304.6	227.0	193.7	110.0
11 OPzS-ET 1100	807.0	807.0	791.3	763.6	714.7	626.0	558.6	508.8	422.9	369.3	332.4	249.3	212.4	121.0
12 OPzS-ET 1200	880.4	880.4	863.3	833.0	779.6	682.9	609.4	555.0	461.3	402.9	362.6	272.0	231.7	132.0
12 OPzS-ET 1500	752.2	752.2	741.5	727.0	706.6	635.7	596.9	553.2	481.4	428.0	391.1	297.0	260.1	138.8
14 OPzS-ET 1750	958.2	958.2	936.8	915.4	881.2	774.3	715.2	658.8	561.2	499.6	456.0	347.4	303.7	161.7
15 OPzS-ET 1875	1026.7	1026.7	1003.8	980.8	944.2	829.6	766.3	705.8	601.3	535.3	488.6	372.2	325.4	173.3
16 OPzS-ET 2000	1095.1	1095.1	1070.7	1046.2	1007.1	884.9	817.4	752.9	641.4	571.0	521.2	397.0	347.1	184.8
18 OPzS-ET 2250	1228.7	1228.7	1202.1	1175.6	1131.4	1007.7	919.3	845.0	721.3	641.7	587.8	447.3	389.8	208.6
19 OPzS-ET 2375	1296.9	1296.9	1268.9	1240.9	1194.3	1063.7	970.4	892.0	761.4	677.4	620.5	472.1	411.5	220.2
20 OPzS-ET 2500	1365.2	1365.2	1335.7	1306.3	1257.1	1119.6	1021.4	938.9	801.4	713.0	653.1	497.0	433.1	231.8
22 OPzS-ET 2750	1502.4	1502.4	1467.1	1436.9	1381.4	1215.0	1124.3	1033.5	881.3	784.5	717.9	545.5	476.9	254.1
24 OPzS-ET 3000	1581.0	1581.0	1551.5	1512.1	1457.9	1295.4	1201.8	1108.2	962.4	856.0	783.1	595.0	520.1	277.8
26 OPzS-ET 3250	1712.8	1712.8	1680.8	1638.1	1579.4	1403.4	1301.9	1200.6	1042.6	927.4	848.4	644.6	563.5	300.9

Constant power discharge data

1.87 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	265.0	262.9	2471	233.4	213.4	168.2	140.9	122.0	96.2	79.5	68.3	48.9	40.6	22.2
5 OPzS-ET 250	321.2	319.1	300.1	283.2	259.9	206.0	174.3	151.1	118.3	98.2	84.5	60.5	50.5	27.7
6 OPzS-ET 300	374.2	371.0	348.8	329.7	305.3	243.8	205.7	179.2	139.9	115.6	100.6	72.1	60.4	33.1
5 OPzS-ET 350	373.7	369.5	355.8	345.3	318.9	269.5	230.5	201.1	162.1	134.7	118.9	86.1	72.0	40.3
6 OPzS-ET 420	426.2	424.1	410.4	398.8	371.3	314.4	271.1	238.4	194.1	162.5	142.4	103.4	86.4	48.3
7 OPzS-ET 490	488.2	483.9	469.1	455.4	423.7	359.2	313.8	275.8	226.1	189.1	165.9	120.5	100.8	56.4
6 OPzS-ET 600	528.7	526.6	509.4	491.1	458.6	397.8	350.1	315.6	255.7	218.2	194.8	145.1	123.8	69.5
7 OPzS-ET 700	616.8	614.4	594.3	573.0	535.1	464.1	408.4	368.2	298.3	254.5	227.3	169.3	144.4	81.1
8 OPzS-ET 800	761.3	751.2	717.8	694.5	642.0	557.1	485.3	429.7	346.8	297.2	263.9	194.1	165.8	92.6
9 OPzS-ET 900	821.6	816.2	785.3	759.0	705.4	611.9	535.7	478.5	386.8	330.5	294.2	217.9	186.1	104.4
10 OPzS-ET 1000	912.9	906.9	872.6	843.3	783.8	679.9	595.2	531.6	429.7	367.2	326.8	242.1	206.8	116.0
11 OPzS-ET 1100	969.5	964.9	932.6	901.2	840.3	729.5	641.7	578.9	469.1	401.7	356.4	265.9	228.1	127.4
12 OPzS-ET 1200	1057.7	1052.6	1017.4	983.1	916.6	795.8	700.1	631.6	511.7	438.2	388.8	290.1	248.8	139.0
12 OPzS-ET 1500	947.3	945.4	927.9	903.6	813.4	764.8	704.6	645.4	549.4	477.5	430.0	326.1	281.5	153.4
14 OPzS-ET 1750	1206.3	1202.1	1167.8	1137.9	1013.8	928.3	847.0	764.9	637.4	555.3	502.2	380.7	328.5	178.0
15 OPzS-ET 1875	1292.5	1287.9	1251.3	1219.2	1086.3	994.6	907.5	819.5	682.9	594.9	538.1	407.9	352.0	190.7
16 OPzS-ET 2000	1378.7	1373.8	1334.7	1300.4	1158.7	1060.9	968.0	874.1	728.4	634.6	574.0	435.1	375.5	203.4
18 OPzS-ET 2250	1551.3	1546.9	1502.7	1471.7	1206.6	1197.7	1091.7	985.6	822.1	716.0	646.2	487.9	422.5	230.7
19 OPzS-ET 2375	1637.5	1632.8	1586.2	1553.5	1273.6	1264.3	1152.3	1040.3	867.7	755.8	682.0	515.0	446.0	243.5
20 OPzS-ET 2500	1723.7	1718.8	1669.6	1635.3	1340.6	1330.8	1212.9	1095.1	913.4	795.5	717.9	542.1	469.5	256.3
22 OPzS-ET 2750	1900.7	1895.7	1840.2	1789.8	1593.2	1462.1	1331.0	1205.0	1004.3	874.2	789.5	597.9	518.3	281.3
24 OPzS-ET 3000	1989.9	1980.0	1935.7	1876.6	1674.6	1556.4	1423.4	1290.4	1093.4	954.5	862.9	651.1	563.5	306.4
26 OPzS-ET 3250	2155.7	2145.0	2097.0	2032.9	1814.2	1686.1	1542.1	1398.0	1184.6	1034.1	934.8	705.4	610.4	331.9

1.85 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	297.5	293.3	273.4	257.6	231.3	178.7	149.3	128.3	101.0	83.2	71.1	50.5	42.4	22.9
5 OPzS-ET 250	361.4	356.1	330.7	312.8	283.2	219.8	183.8	158.5	124.7	102.6	88.0	62.4	52.7	28.5
6 OPzS-ET 300	420.9	414.5	385.9	365.7	331.8	258.7	218.4	188.7	147.4	120.9	104.7	74.4	63.1	34.1
5 OPzS-ET 350	417.9	412.6	395.8	382.1	351.6	293.7	248.4	214.7	170.5	142.1	124.2	89.9	75.3	41.6
6 OPzS-ET 420	475.8	471.6	456.8	441.0	410.4	341.8	292.2	255.3	203.6	170.9	148.7	107.6	90.3	49.9
7 OPzS-ET 490	545.2	538.9	522.0	504.0	469.1	390.9	337.1	294.8	237.7	199.7	174.3	125.7	105.3	58.2
6 OPzS-ET 600	587.5	583.5	561.1	540.8	504.3	436.3	380.5	340.9	271.9	230.3	204.0	151.2	129.9	71.7
7 OPzS-ET 700	685.4	680.7	654.7	631.0	588.4	509.0	443.9	397.8	317.3	268.7	237.9	176.4	151.5	83.7
8 OPzS-ET 800	854.3	838.1	795.6	764.3	706.7	605.6	526.7	464.0	370.0	313.4	277.0	203.2	172.9	95.6
9 OPzS-ET 900	917.0	907.9	867.9	836.2	775.3	667.3	581.1	516.6	412.2	347.7	307.8	227.9	194.3	108.0
10 OPzS-ET 1000	1018.9	1008.8	964.4	929.1	861.5	741.4	645.6	574.0	458.0	386.4	342.0	253.2	215.9	120.0
11 OPzS-ET 1100	1080.3	1071.1	1029.5	992.6	923.4	799.6	697.1	625.1	498.6	421.1	373.0	277.0	238.2	131.1
12 OPzS-ET 1200	1178.5	1168.5	1123.1	1082.8	1007.3	872.3	760.5	681.9	543.9	459.3	406.9	302.2	259.9	143.0
12 OPzS-ET 1500	1077.4	1072.5	1048.2	1024.0	980.3	849.3	777.4	706.6	594.0	510.5	457.1	345.5	295.1	162.1
14 OPzS-ET 1750	1368.9	1364.6	1326.1	1287.6	1223.4	1035.2	936.8	838.4	692.1	594.6	533.9	402.1	345.6	189.1
15 OPzS-ET 1875	1466.7	1462.1	1420.8	1379.6	1310.8	1109.2	1003.8	898.3	741.6	637.1	572.0	430.8	370.3	202.6
16 OPzS-ET 2000	1564.4	1559.6	1515.6	1471.6	1398.2	1183.1	1070.7	958.2	791.0	679.6	610.1	459.6	395.0	216.1
18 OPzS-ET 2250	1759.0	1750.2	1706.0	1657.4	1573.4	1330.3	1206.6	1078.4	892.8	765.5	686.8	516.2	444.6	244.0
19 OPzS-ET 2375	1856.7	1847.4	1800.8	1749.4	1660.8	1404.2	1273.6	1138.3	942.4	808.0	725.0	544.9	469.3	257.5
20 OPzS-ET 2500	1954.5	1944.6	1895.5	1841.5	1748.2	1478.1	1340.6	1198.2	992.0	850.5	763.1	573.6	494.0	271.1
22 OPzS-ET 2750	2157.8	2147.8	2087.3	2021.7	1920.9	1623.4	1472.2	1315.9	1089.0	936.7	839.9	632.2	542.5	297.5
24 OPzS-ET 3000	2260.7	2250.9	2191.8	2132.7	2014.5	1728.8	1571.2	1413.6	1187.0	1019.6	917.1	689.6	592.0	324.1
26 OPzS-ET 3250	2449.1	2438.5	2374.4	2310.4	2182.4	1872.9	1702.1	1531.4	1285.9	1104.5	993.5	747.0	641.4	351.1

Constant power discharge data

1.83 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	329.1	321.7	297.5	277.6	247.1	186.1	154.6	132.5	104.2	85.6	73.1	51.2	43.0	23.6
5 OPzS-ET 250	401.5	389.9	361.4	338.1	301.1	229.3	190.2	163.8	127.8	105.4	90.4	63.4	53.5	29.3
6 OPzS-ET 300	468.6	454.8	420.9	394.4	354.1	270.3	225.8	195.1	151.6	125.1	108.1	75.5	63.9	35.0
5 OPzS-ET 350	457.9	449.5	429.5	413.7	377.9	310.5	260.0	224.2	175.8	146.3	127.4	91.2	76.2	42.3
6 OPzS-ET 420	524.3	514.8	495.8	477.9	441.0	361.8	305.9	265.8	212.0	176.2	153.0	109.7	91.5	50.7
7 OPzS-ET 490	599.1	588.5	566.3	546.3	504.0	414.2	354.0	307.5	247.2	207.1	177.5	127.8	106.7	59.2
6 OPzS-ET 600	644.3	636.2	608.8	585.5	543.9	465.8	403.9	359.2	284.1	238.5	209.0	154.2	131.9	73.0
7 OPzS-ET 700	751.7	742.3	710.3	683.1	634.5	543.4	471.2	419.1	331.5	278.2	243.9	179.9	153.9	85.1
8 OPzS-ET 800	928.1	918.0	866.4	828.0	762.3	646.0	557.1	488.3	384.2	321.5	284.1	207.3	174.9	97.3
9 OPzS-ET 900	1003.2	994.1	944.2	904.3	837.1	712.7	616.5	543.8	428.5	359.5	316.9	231.5	197.0	109.9
10 OPzS-ET 1000	1114.7	1104.6	1049.1	1004.7	930.1	791.9	685.0	604.3	476.1	399.5	352.1	257.2	218.9	122.1
11 OPzS-ET 1100	1177.3	1168.0	1117.3	1075.7	997.2	854.1	740.5	657.4	519.9	436.7	383.2	281.6	241.0	133.9
12 OPzS-ET 1200	1284.3	1274.2	1218.8	1173.5	1087.9	931.8	807.9	717.2	567.1	476.5	418.0	307.2	262.9	146.1
12 OPzS-ET 1500	1189.0	1184.1	1159.9	1130.7	1077.4	921.1	837.6	755.1	628.0	535.8	476.6	357.2	304.8	167.9
14 OPzS-ET 1750	1522.9	1514.3	1467.3	1424.5	1343.2	1120.8	1005.3	894.1	732.4	625.4	557.0	414.9	355.1	194.2
15 OPzS-ET 1875	1631.7	1622.5	1572.1	1526.3	1439.2	1200.8	1077.1	957.9	784.7	670.1	596.8	444.6	380.4	208.1
16 OPzS-ET 2000	1740.4	1730.7	1676.9	1628.0	1535.1	1280.9	1148.9	1021.8	837.0	714.8	636.5	474.2	405.8	222.0
18 OPzS-ET 2250	1949.1	1940.2	1891.6	1829.7	1728.1	1440.8	1295.0	1153.5	942.3	805.3	717.8	533.0	457.9	251.0
19 OPzS-ET 2375	2057.3	2048.0	1996.7	1931.4	1824.1	1520.8	1366.9	1217.6	994.6	850.0	757.6	562.6	483.3	265.0
20 OPzS-ET 2500	2165.6	2155.8	2101.8	2033.0	1920.1	1600.9	1438.8	1281.7	1047.0	894.7	797.5	592.2	508.8	278.9
22 OPzS-ET 2750	2384.7	2369.6	2304.0	2233.5	2112.5	1759.5	1583.1	1406.6	1149.5	983.1	878.3	652.4	559.6	308.6
24 OPzS-ET 3000	2502.1	2487.3	2433.1	2354.3	2216.4	1876.6	1689.4	1512.1	1251.0	1068.8	957.5	711.2	609.8	335.9
26 OPzS-ET 3250	2710.6	2694.6	2635.9	2550.5	2401.1	2032.9	1830.2	1638.1	1355.3	1157.9	1037.3	770.5	660.6	363.9

1.80 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	377.5	363.8	333.3	309.1	269.2	197.7	161.9	137.7	108.3	89.2	76.0	52.3	43.8	24.4
5 OPzS-ET 250	459.6	441.7	405.7	375.1	328.6	242.0	200.8	171.2	134.2	109.9	94.1	64.7	54.5	30.3
6 OPzS-ET 300	537.5	515.2	473.9	438.9	386.9	286.2	237.5	204.6	159.0	130.4	112.4	77.0	65.2	36.3
5 OPzS-ET 350	517.9	504.2	481.1	462.1	417.9	335.8	278.9	237.9	185.3	152.6	131.6	93.2	77.8	43.4
6 OPzS-ET 420	597.1	580.2	554.9	532.7	486.3	391.4	328.1	282.7	222.6	183.6	158.2	111.8	93.4	52.0
7 OPzS-ET 490	682.6	663.5	635.0	608.6	555.8	448.0	378.3	326.5	259.9	214.5	183.8	130.0	108.8	60.6
6 OPzS-ET 600	728.6	713.3	679.9	652.5	604.8	510.4	440.4	385.6	300.4	249.6	218.2	158.3	133.9	74.8
7 OPzS-ET 700	850.0	832.2	793.2	761.2	705.6	595.5	513.8	449.9	350.4	291.2	254.5	184.7	156.3	87.2
8 OPzS-ET 800	1051.4	1036.3	971.6	923.0	846.2	707.7	602.5	525.7	404.4	336.7	295.2	212.3	178.9	99.7
9 OPzS-ET 900	1134.9	1116.7	1057.7	1007.8	930.6	780.8	669.1	584.7	453.0	376.8	329.6	237.9	201.6	112.6
10 OPzS-ET 1000	1261.0	1240.8	1175.2	1119.7	1034.0	867.5	743.5	649.6	503.4	418.6	366.2	264.3	223.9	125.1
11 OPzS-ET 1100	1329.6	1306.6	1246.5	1195.7	1108.0	937.2	807.0	706.4	551.2	458.9	398.9	289.9	245.6	136.7
12 OPzS-ET 1200	1450.5	1425.3	1359.9	1304.5	1208.8	1022.4	880.4	770.6	601.4	500.6	435.2	316.3	267.9	149.1
12 OPzS-ET 1500	1368.5	1358.8	1329.7	1290.9	1222.9	1028.8	928.9	828.9	678.4	576.5	509.6	373.7	318.4	176.6
14 OPzS-ET 1750	1745.3	1736.8	1672.6	1621.3	1522.9	1249.1	1116.5	983.9	792.2	672.5	594.6	433.8	371.3	205.3
15 OPzS-ET 1875	1870.0	1860.8	1792.1	1737.1	1631.7	1338.3	1196.3	1054.2	848.8	720.5	637.1	464.8	397.8	220.0
16 OPzS-ET 2000	1994.7	1984.9	1911.6	1852.9	1740.4	1427.6	1276.0	1124.4	905.4	768.5	679.6	495.7	424.4	234.7
18 OPzS-ET 2250	2205.4	2192.1	2152.4	2090.5	1953.5	1604.3	1436.4	1264.0	1016.5	864.5	763.7	558.6	477.3	263.4
19 OPzS-ET 2375	2327.9	2313.9	2271.9	2206.6	2062.0	1693.5	1516.2	1334.2	1073.0	912.5	806.1	589.7	503.8	278.0
20 OPzS-ET 2500	2450.4	2435.7	2391.5	2322.8	2170.5	1782.6	1596.0	1404.5	1129.5	960.5	848.6	620.7	530.4	292.7
22 OPzS-ET 2750	2737.6	2722.5	2636.8	2551.1	2389.8	1966.3	1754.5	1547.8	1245.3	1053.7	934.7	683.7	583.8	322.7
24 OPzS-ET 3000	2871.5	2851.8	2773.0	2689.3	2516.9	2093.3	1876.6	1659.9	1359.4	1152.5	1019.6	744.7	637.3	353.6
26 OPzS-ET 3250	3110.8	3089.4	3004.1	2913.4	2726.6	2267.7	2032.9	1798.2	1472.7	1248.6	1104.5	806.8	690.5	383.1

Constant power discharge data

1.75 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	448.9	421.6	383.8	349.1	299.6	210.3	169.3	144.0	113.6	92.2	78.5	54.3	45.0	24.9
5 OPzS-ET 250	546.3	512.5	467.0	424.8	366.6	258.9	209.2	179.6	139.5	114.1	97.3	67.1	56.0	31.0
6 OPzS-ET 300	639.3	599.0	547.0	497.2	431.5	306.4	249.1	214.1	165.4	134.6	115.6	79.8	66.9	37.1
5 OPzS-ET 350	616.8	589.5	554.7	527.4	468.4	365.3	298.9	252.6	192.6	158.9	136.8	95.9	79.9	44.3
6 OPzS-ET 420	711.0	679.4	640.4	608.7	545.4	426.2	351.3	300.7	232.1	189.9	164.6	115.0	95.9	53.2
7 OPzS-ET 490	813.6	776.6	732.2	695.2	623.4	487.1	405.7	346.6	270.5	221.9	191.2	134.2	112.0	62.1
6 OPzS-ET 600	854.4	830.0	788.4	753.9	695.1	568.2	486.0	416.0	318.6	260.8	224.3	162.4	138.0	76.5
7 OPzS-ET 700	996.8	968.4	919.8	879.6	810.9	662.9	567.1	485.4	371.7	304.2	261.6	189.4	161.0	89.3
8 OPzS-ET 800	1243.5	1213.2	1132.3	1066.6	970.5	794.6	661.2	572.2	429.7	351.8	304.3	218.4	182.0	102.1
9 OPzS-ET 900	1343.7	1302.8	1230.2	1166.6	1066.8	873.4	736.3	633.7	481.2	393.1	339.6	245.1	206.1	114.4
10 OPzS-ET 1000	1493.0	1447.6	1366.9	1296.3	1185.3	970.4	818.1	704.1	534.6	436.8	377.3	272.4	229.0	127.1
11 OPzS-ET 1100	1565.1	1523.5	1445.1	1380.4	1274.2	1043.4	890.1	762.7	584.5	476.5	411.8	298.2	253.0	140.4
12 OPzS-ET 1200	1707.4	1662.0	1576.4	1505.9	1390.1	1138.2	971.0	832.0	637.6	519.8	449.3	325.4	276.0	153.1
12 OPzS-ET 1500	1640.3	1625.7	1582.1	1528.7	1426.8	1174.4	1043.4	923.0	738.6	623.1	548.4	391.1	331.0	183.4
14 OPzS-ET 1750	2087.6	2070.4	1993.4	1920.7	1779.6	1428.8	1257.7	1095.1	864.1	727.2	639.1	456.9	385.0	213.9
15 OPzS-ET 1875	2236.7	2218.3	2135.8	2057.9	1906.7	1530.8	1347.5	1173.3	925.8	779.2	684.8	489.8	412.5	229.2
16 OPzS-ET 2000	2385.8	2366.2	2278.2	2195.1	2033.8	1632.9	1437.3	1251.6	987.6	831.1	730.4	522.1	440.0	244.4
18 OPzS-ET 2250	2682.7	2660.6	2567.8	2462.6	2289.4	1843.0	1613.2	1405.4	1109.3	932.5	822.9	587.8	495.9	275.8
19 OPzS-ET 2375	2831.8	2808.4	2710.5	2599.4	2416.6	1945.4	1702.8	1483.5	1171.0	984.4	868.7	620.5	523.4	291.1
20 OPzS-ET 2500	2980.8	2956.3	2853.1	2736.3	2543.8	2047.8	1792.4	1561.6	1232.6	1036.2	914.4	653.1	551.0	306.4
22 OPzS-ET 2750	3272.0	3246.8	3141.0	3014.9	2788.0	2248.6	1976.3	1719.2	1356.2	1139.4	1005.3	717.9	604.0	336.8
24 OPzS-ET 3000	3447.8	3413.3	3304.9	3171.9	2945.4	2398.7	2108.1	1842.1	1477.6	1241.2	1098.4	784.1	660.0	366.4
26 OPzS-ET 3250	3735.1	3697.7	3580.3	3436.3	3190.8	2598.5	2283.7	1995.6	1600.7	1344.6	1189.9	849.4	715.0	397.0

1.70 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	509.9	467.9	418.5	377.5	319.6	217.6	174.5	146.1	115.7	93.7	79.5	54.5	45.3	25.0
5 OPzS-ET 250	621.3	570.6	510.3	460.7	390.9	268.4	215.5	181.7	142.6	115.2	98.4	67.4	56.3	31.2
6 OPzS-ET 300	730.4	668.9	597.9	539.6	461.2	318.0	256.6	217.3	168.6	136.8	116.6	80.3	67.4	37.3
5 OPzS-ET 350	708.4	667.4	618.9	581.1	508.4	384.2	310.5	261.1	197.9	161.1	138.9	96.7	81.3	45.5
6 OPzS-ET 420	816.5	770.1	714.2	669.9	592.9	448.4	365.0	310.2	237.4	194.1	167.7	117.1	97.5	54.5
7 OPzS-ET 490	934.0	880.2	816.8	766.0	677.3	512.5	422.6	358.2	277.9	227.2	195.5	137.4	114.1	63.6
6 OPzS-ET 600	975.1	936.6	891.9	847.3	775.2	616.9	519.5	437.3	329.8	265.9	227.3	164.4	139.0	77.7
7 OPzS-ET 700	1137.7	1092.7	1040.6	988.5	904.4	719.8	606.1	510.2	384.7	310.2	265.2	191.8	162.2	90.7
8 OPzS-ET 800	1420.4	1369.9	1278.9	1198.0	1081.8	860.4	703.6	604.6	448.9	361.9	308.4	221.4	185.0	103.1
9 OPzS-ET 900	1529.8	1470.8	1389.1	1307.4	1189.3	948.8	785.3	668.2	500.3	405.8	344.1	247.9	207.9	116.2
10 OPzS-ET 1000	1699.8	1634.2	1543.4	1452.6	1321.5	1054.2	872.6	742.5	555.8	450.9	382.3	275.4	231.0	129.1
11 OPzS-ET 1100	1791.3	1717.4	1634.3	1555.9	1422.0	1131.1	951.1	802.4	605.7	489.4	416.4	301.9	254.8	142.2
12 OPzS-ET 1200	1954.2	1873.6	1782.9	1697.3	1551.2	1233.9	1037.5	875.3	660.8	533.9	454.3	329.4	278.0	155.1
12 OPzS-ET 1500	1892.6	1873.2	1810.1	1732.5	1611.2	1310.3	1140.4	994.9	779.4	652.2	572.6	401.8	337.8	187.3
14 OPzS-ET 1750	2412.7	2387.0	2288.6	2181.7	2006.3	1591.3	1373.2	1176.4	911.2	760.6	677.6	468.8	393.6	218.2
15 OPzS-ET 1875	2585.0	2557.5	2452.1	2337.5	2149.6	1705.0	1471.3	1260.4	976.3	814.9	726.0	502.3	421.7	233.8
16 OPzS-ET 2000	2757.3	2728.0	2615.6	2493.3	2292.9	1818.7	1569.3	1344.4	1041.3	869.2	774.4	535.8	449.8	249.3
18 OPzS-ET 2250	3102.6	3062.8	2934.6	2806.5	2576.7	2046.3	1767.9	1515.9	1171.2	976.7	860.1	602.8	506.5	282.0
19 OPzS-ET 2375	3275.0	3233.0	3097.7	2962.4	2719.8	2160.0	1866.1	1600.2	1236.3	1031.0	907.8	636.3	534.6	297.6
20 OPzS-ET 2500	3447.3	3403.1	3260.7	3118.3	2862.9	2273.7	1964.3	1684.4	1301.3	1085.3	955.6	669.8	562.8	313.3
22 OPzS-ET 2750	3791.3	3746.0	3589.7	3428.3	3141.0	2505.7	2157.8	1845.3	1426.8	1194.9	1048.7	737.1	618.1	343.8
24 OPzS-ET 3000	3984.6	3935.4	3777.8	3615.2	3319.7	2664.6	2310.0	1984.9	1561.3	1300.3	1142.7	803.8	673.8	375.3
26 OPzS-ET 3250	4316.7	4263.3	4092.6	3916.5	3596.3	2886.7	2502.5	2150.3	1691.5	1408.7	1237.9	870.8	729.9	406.6

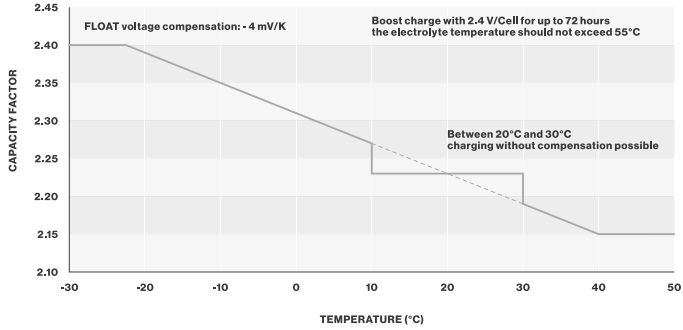
Constant power discharge data

1.65 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	563.6	505.7	444.7	398.5	331.2	221.8	175.6	148.2	116.7	94.3	80.0	54.5	45.3	25.0
5 OPzS-ET 250	688.9	617.1	543.1	486.0	405.7	273.7	217.7	183.8	143.7	116.2	99.1	67.4	56.3	31.2
6 OPzS-ET 300	807.8	725.1	637.1	570.3	479.2	324.4	258.7	220.5	170.7	137.8	117.7	80.3	67.4	37.3
5 OPzS-ET 350	794.7	737.9	676.8	626.3	541.1	396.8	318.9	266.3	202.1	164.2	140.0	96.7	81.3	45.5
6 OPzS-ET 420	916.7	851.3	780.7	722.6	630.9	462.1	375.6	315.4	242.6	196.2	167.7	117.1	97.5	54.5
7 OPzS-ET 490	1048.2	973.1	892.8	826.3	721.7	528.3	433.2	364.5	283.2	228.2	195.5	137.4	114.1	63.6
6 OPzS-ET 600	1080.7	1029.9	990.4	935.6	846.3	657.5	541.9	455.6	336.9	268.9	229.3	168.4	140.0	78.2
7 OPzS-ET 700	1260.8	1201.6	1155.4	1091.5	987.3	767.1	632.2	531.5	393.0	313.7	267.5	196.5	163.4	91.3
8 OPzS-ET 800	1582.2	1511.4	1410.3	1309.2	1177.8	904.8	734.0	623.8	461.0	369.0	310.4	224.4	187.0	104.1
9 OPzS-ET 900	1702.3	1625.1	1538.9	1439.0	1298.3	1003.2	819.8	692.7	512.1	411.3	346.8	252.4	209.7	117.1
10 OPzS-ET 1000	1891.4	1805.7	1709.9	1598.9	1442.5	1114.7	910.9	769.7	568.9	457.0	385.4	280.4	233.0	130.1
11 OPzS-ET 1100	1985.2	1892.9	1814.4	1717.4	1551.2	1205.0	992.6	834.7	617.7	496.8	420.1	308.4	256.7	143.1
12 OPzS-ET 1200	2165.7	2065.0	1979.3	1873.6	1692.3	1314.5	1082.8	910.6	673.9	541.9	458.3	336.4	280.0	156.1
12 OPzS-ET 1500	2135.3	2106.2	2023.7	1936.3	1781.0	1431.6	1222.9	1048.2	807.5	674.6	592.1	406.7	339.7	189.3
14 OPzS-ET 1750	2716.4	2677.9	2549.6	2434.1	2215.9	1745.3	1467.3	1244.8	945.4	788.0	688.7	474.8	395.3	219.9
15 OPzS-ET 1875	2910.4	2869.2	2731.7	2607.9	2374.2	1870.0	1572.1	1333.8	1012.9	844.3	737.9	508.8	423.5	235.6
16 OPzS-ET 2000	3104.4	3060.4	2913.8	2781.8	2532.4	1994.7	1676.9	1422.7	1080.4	900.5	787.1	542.7	451.7	251.3
18 OPzS-ET 2250	3495.9	3447.3	3288.2	3142.4	2859.5	2240.8	1882.8	1599.9	1215.4	1012.1	888.3	609.9	507.4	282.9
19 OPzS-ET 2375	3690.2	3638.8	3470.9	3316.9	3018.4	2365.2	1987.4	1688.8	1282.9	1068.3	937.7	643.8	535.6	298.6
20 OPzS-ET 2500	3884.4	3830.4	3653.6	3491.5	3177.2	2489.7	2092.0	1777.7	1350.4	1124.6	987.1	677.7	563.8	314.3
22 OPzS-ET 2750	4260.2	4199.7	4013.2	3831.7	3483.8	2737.6	2304.0	1956.2	1482.3	1235.2	1084.0	745.2	621.1	345.9
24 OPzS-ET 3000	4487.0	4423.0	4226.0	4043.7	3674.3	2915.8	2467.6	2093.3	1615.5	1349.6	1182.1	812.7	677.7	378.3
26 OPzS-ET 3250	4860.9	4791.6	4578.1	4380.7	3980.5	3158.8	2673.2	2267.7	1750.1	1462.0	1280.6	880.4	734.2	409.8

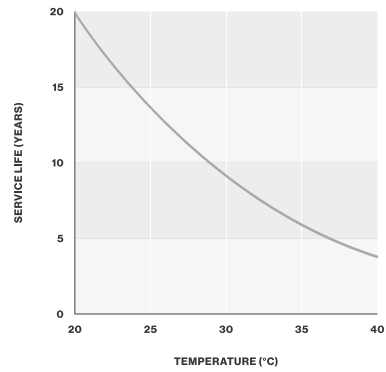
1.60 VpC	Discharge in W at 20°C													
	3m	10m	15m	20m	30m	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
4 OPzS-ET 200	604.6	533.1	465.8	414.3	340.7	223.9	175.6	148.2	117.8	94.1	80.0	54.5	45.3	25.0
5 OPzS-ET 250	742.8	653.0	569.5	506.1	417.4	276.8	217.7	184.9	144.8	116.2	99.1	67.4	56.3	31.2
6 OPzS-ET 300	871.4	767.5	670.0	594.7	491.9	328.6	258.7	221.6	170.7	136.8	117.7	80.3	67.4	37.3
5 OPzS-ET 350	877.9	803.2	729.5	665.3	571.6	403.2	323.2	267.4	205.3	165.3	140.0	96.7	81.3	45.5
6 OPzS-ET 420	1011.7	927.3	840.8	768.0	665.7	469.5	380.8	318.6	245.8	197.3	167.7	117.1	97.5	54.5
7 OPzS-ET 490	1157.0	1061.9	961.5	878.0	760.8	537.8	439.5	367.7	287.4	230.3	195.5	137.4	114.1	63.6
6 OPzS-ET 600	1182.1	1121.3	1035.7	1024.9	913.2	694.1	557.1	468.8	337.9	269.9	229.3	168.4	140.0	78.2
7 OPzS-ET 700	1379.2	1308.1	1266.7	1195.7	1065.4	809.7	649.9	546.9	394.2	314.9	267.5	196.5	163.4	91.3
8 OPzS-ET 800	1738.9	1642.9	1536.7	1415.4	1268.8	935.2	757.2	632.9	466.1	370.0	310.4	224.4	187.0	104.1
9 OPzS-ET 900	1861.2	1765.9	1679.6	1566.1	1398.2	1044.1	844.3	708.2	515.7	412.2	346.8	252.4	209.7	117.1
10 OPzS-ET 1000	2068.0	1962.1	1866.2	1740.1	1553.5	1160.1	938.2	786.8	573.0	458.0	385.4	280.4	233.0	130.1
11 OPzS-ET 1100	2169.9	2054.5	1985.2	1879.0	1675.9	1274.2	1020.3	859.6	619.6	494.9	420.1	308.4	256.7	143.1
12 OPzS-ET 1200	2367.2	2241.2	2165.7	2049.9	1828.2	1390.1	1113.1	937.8	675.9	539.9	458.3	336.4	280.0	156.1
12 OPzS-ET 1500	2363.4	2319.7	2222.6	2135.3	1946.0	1543.2	1286.0	1087.1	828.9	689.1	600.8	407.6	339.7	189.3
14 OPzS-ET 1750	3007.3	2955.9	2797.7	2677.9	2421.2	1882.2	1544.3	1291.9	966.8	804.2	699.0	476.5	395.3	219.9
15 OPzS-ET 1875	3222.1	3167.1	2997.5	2869.2	2594.2	2016.7	1654.6	1384.2	1035.8	861.7	748.9	510.6	423.5	235.6
16 OPzS-ET 2000	3436.9	3378.2	3197.3	3060.4	2767.1	2151.1	1764.9	1476.4	1104.9	919.1	798.8	544.6	451.7	251.3
18 OPzS-ET 2250	3876.0	3800.9	3602.0	3442.9	3111.4	2413.1	1988.8	1666.2	1241.9	1034.2	901.6	613.4	507.4	282.9
19 OPzS-ET 2375	4091.4	4012.1	3802.1	3634.2	3284.3	2547.2	2099.3	1758.8	1310.9	1091.7	951.7	647.5	535.6	298.6
20 OPzS-ET 2500	4306.7	4223.2	4002.2	3825.4	3457.1	2681.3	2209.8	1851.3	1379.9	1149.1	1001.8	681.6	563.8	314.3
22 OPzS-ET 2750	4739.2	4643.4	4396.3	4214.8	3806.5	2949.4	2425.0	2031.8	1522.6	1260.4	1099.1	748.2	621.1	345.9
24 OPzS-ET 3000	4969.7	4876.1	4634.8	4437.8	4009.3	3147.3	2590.7	2172.1	1659.9	1379.1	1201.8	816.6	677.7	378.3
26 OPzS-ET 3250	5383.8	5282.5	5021.0	4807.6	4343.4	3409.6	2806.6	2353.1	1798.2	1494.0	1301.9	884.7	734.2	409.8

OPzS Standby Power

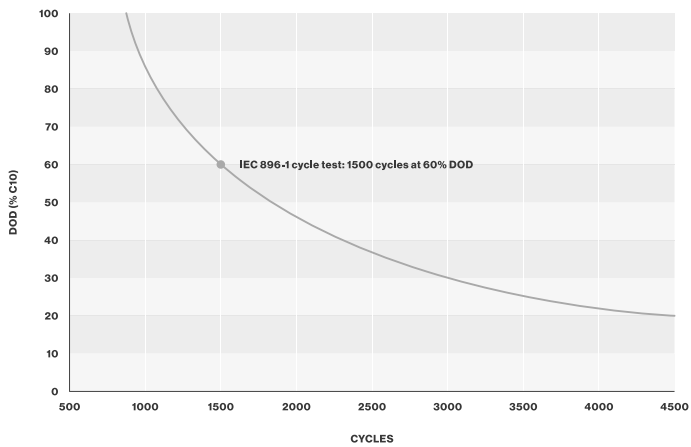
Charging voltage vs. Temperature



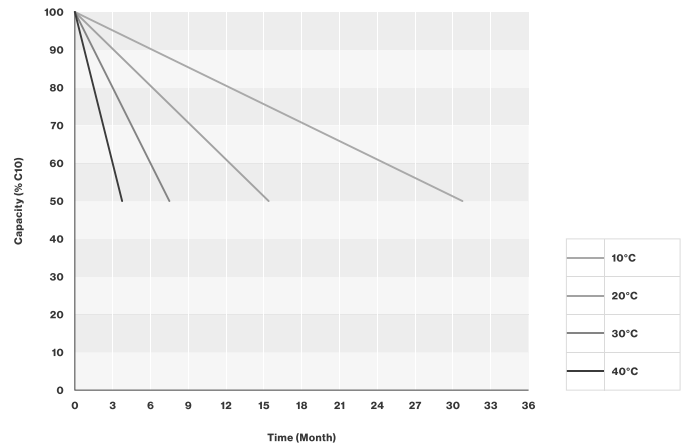
Service life vs. Temperature



Depth of discharge vs. Cycles



Self discharge



Ventilation

Lead Acid batteries generate hydrogen and oxygen during overcharging (electrolysis water decomposition)

1 Ah decomposes 0.336g water and generates 0.00042 m³ H₂

Air becomes explosive if hydrogen content ≥ 4% and when ignited

Dilution by fresh air necessary to bring H₂ to less than 4%

Ventilation calculation acc. to EN 50272-2

$$Q = v \cdot q \cdot s \cdot n \cdot I_{\text{gas}} \cdot C_n / 100 \text{ [m}^3/\text{h]}$$

Q = Quantity fresh air [m³/h]

v = necessary dilution of H₂ factor 24 (100% - 4%)/4% = 24)

$$q = 0.42 \cdot 10^{-3} \text{ m}^3/\text{Ah generated H}$$

s = 5, general safety factor

n = number of cells

I_{gas} = current producing gas in mA per Ah rate capacity for float or boost charge current

C_{rt} = capacity C₁₀ (Ah) to 1.80 VpC @ 20°C

Simplified formula

$$Q = 0.05 \cdot n \cdot I_{\text{gas}} \cdot C_n / 100 \text{ [m}^3/\text{h]}$$

I_{gas} -values [mA per Ah] to be used:

	Float	Boost
Vented (Sb < 3%):	5	20
VRLA:	1	8

Values taking into account temperatures up to 40°C

Results of calculation

Q = m³/h (per 100Ah and per cell)

Charging mode:	Float	Boost
EN 50272-2 (June 2001):	0.005	0.04

Maintenance and control

Eternity OPzS vented stationary lead-acid batteries require minimal maintenance.

Check the Electrolyte level at regular intervals and ensure it is within the limits shown on the side of the container. Top up with distilled water only when required.

To avoid leakage currents keep the battery clean and dry.

Tests to be carried out in accordance with IEC 60896-11.

Every 6 months the following checks must be actioned:

- Check the electrolyte level of all cells
- Check and record the total battery voltage
- Check and record the voltage and density and electrolyte temperature of selected pilot cells
- Check and record the ambient temperature

Once a year the following checks must be actioned:

- Check the electrolyte level of all cells
- Check and record the total battery voltage
- Check and record the voltage and density and electrolyte temperature of selected pilot cells
- Check and record the ambient temperature
- Check all bolts and connectors are tightened to the correct torque 23Nm

OPzS Standby Power

Positive plate

High energy density tubular design with low antimony alloy for extended watering intervals

Negative plate

Industry leading negative plate design

Separator

High-porosity and corrosion-resistant ensures maximum capacity for the lifetime of the cell

Container

Manufactured from Styrene-Acrylonitrile resin (SAN) which is durable and heat resistant



Terminal

Maintains an airtight seal even when the plates expand and grow throughout the lifetime of the cell

Gauntlet

Non-woven, high-capacity polyester gauntlet

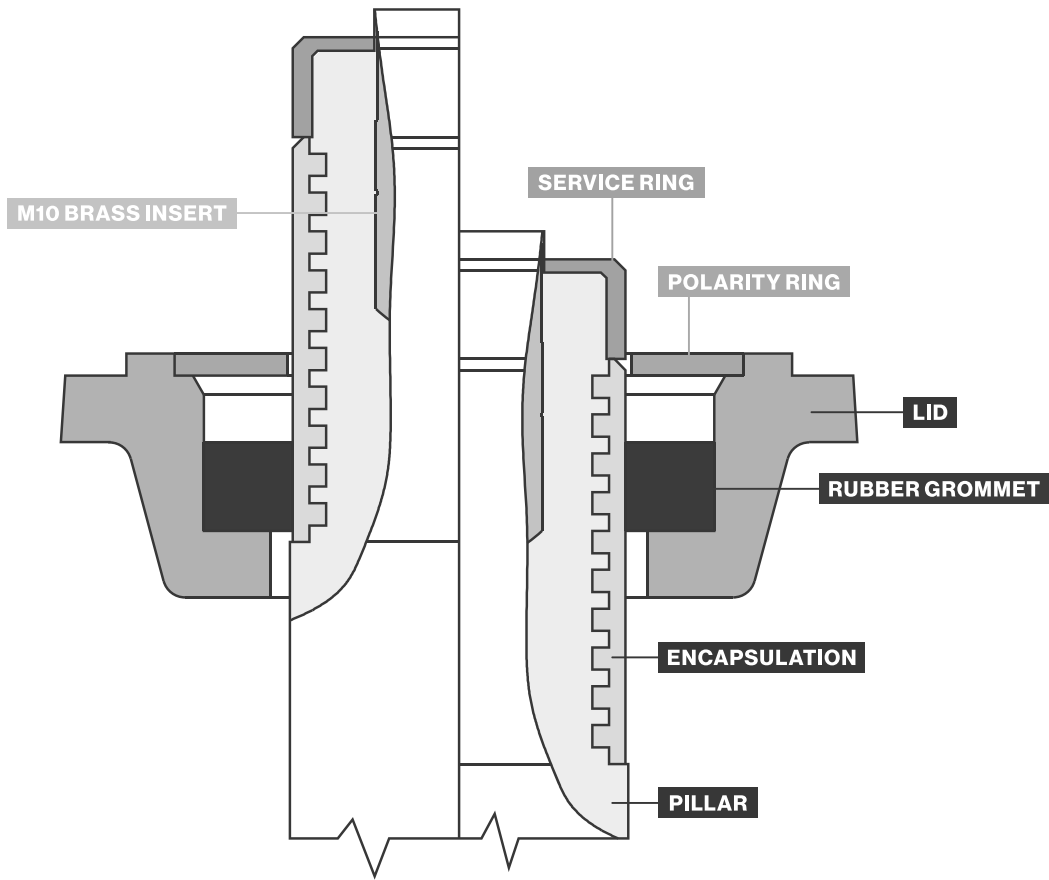
Electrolyte

Acid density of 1.24kg/l ensures low self-discharge rates and long design life of the cell

Lid

Manufactured from Acrylonitrile-Butadiene-Styrene (ABS) which is durable and heat resistant

Pillar sealing design



POWER FOR TOMORROW TODAY

The Eternity Technologies range is built using only the highest quality and most efficient production processes at our state-of-the-art manufacturing centre in the UAE.

It is this innovation, modern design criteria and industry-leading machinery that allows Eternity Technologies to not only meet the needs of the global industrial market with increased reliability but define it for the future.



Service



Accessories



Bloc Batteries



Chargers



Network Power



Motive Power



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