RESERVE POWER

OPzS Standby
Data Catalogue

Flooded Deep Cycle Batteries

OPzSStandby Power

With an extensive product range available Eternity Technologies prides itself on world-class product design, production processes, technical development, cost structure and global location.

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 applications.

Features of OPzS Standby Batteries...

- **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 CO_2 footprint**
- **20 year design life at 20°C**

Applications...

- **Telecommunicaions / Mobile Phone Stations**
- **Traffic Systems**
- **UPS Systems**
- **Emergency Lighting**
- **Electrical Switching**

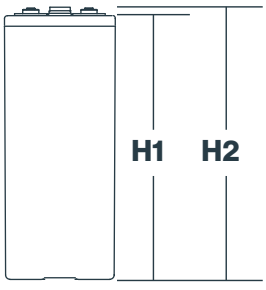
Recyclable

Compliant with: IEC60896-11

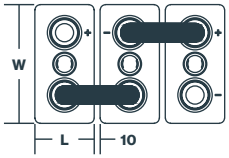
OPzS Standby Power

DIN Cell Type	Rated Voltage (V)	Plate (Ah)	Max. Length (mm)	Max. Width (mm)	Max. Height over lid (mm)	Max. Height over pillar (mm)	Max. filled weight (kg)	Internal resistance (mOhm)	Short circuit current (A)	C10 - 1.8V Cell at 20°C
2 OPzS-ET 100	2	50	105	208	360	375	13.6	0.95	1075	113
3 OPzS-ET 150	2	50	105	208	360	375	15.6	0.94	1613	169
4 OPzS-ET 200	2	50	105	208	360	375	17.4	0.89	2150	225
5 OPzS-ET 250	2	50	126	208	360	375	21.2	0.74	2650	280
6 OPzS-ET 300	2	50	147	208	360	375	25.1	0.63	3200	335
5 OPzS-ET 350	2	70	126	208	475	490	28.5	0.67	2850	400
6 OPzS-ET 420	2	70	147	208	475	490	33.8	0.57	3450	480
7 OPzS-ET 490	2	70	168	208	475	490	38.0	0.5	4050	560
6 OPzS-ET 600	2	100	147	208	650	665	46.5	0.47	4300	690
7 OPzS-ET 700	2	100	147	208	650	665	50.3	0.35	5000	805
8 OPzS-ET 800	2	100	215	193	650	665	62.8	0.33	5700	920
9 OPzS-ET 900	2	100	215	235	650	665	72.7	0.27	6400	1035
10 OPzS-ET 1000	2	100	215	235	650	665	76.7	0.27	7100	1150
11 OPzS-ET 1100	2	100	215	277	650	665	87.1	0.23	7850	1265
12 OPzS-ET 1200	2	100	215	277	650	665	91.7	0.23	8550	1380
13 OPzS-ET 1300	2	100	215	277	650	665	93.7	0.23	9260	1450
11 OPzS-ET 1375	2	125	215	277	800	815	107.3	0.23	7746	1513
12 OPzS-ET 1500	2	125	215	277	800	815	111.5	0.23	8450	1650
13 OPzS-ET 1625	2	125	215	277	800	815	116.1	0.22	9872	1788
14 OPzS-ET 1750	2	125	215	400	775	790	146.3	0.17	10650	1925
15 OPzS-ET 1875	2	125	215	400	775	790	151.5	0.17	11391	2062
16 OPzS-ET 2000	2	125	215	400	775	790	156.4	0.17	12150	2200
17 OPzS-ET 2125	2	125	215	400	775	790	160.7	0.15	12920	2338
18 OPzS-ET 2250	2	125	215	400	775	790	162.3	0.15	13700	2475
19 OPzS-ET 2375	2	125	215	490	775	790	189.7	0.13	14440	2613
20 OPzS-ET 2500	2	125	215	490	775	790	194.5	0.13	15200	2750
21 OPzS-ET 2625	2	125	215	580	775	790	215.6	0.12	15989	2888
22 OPzS-ET 2750	2	125	215	580	775	790	220.5	0.11	16750	3025
23 OPzS-ET 2875	2	125	215	580	775	790	225.5	0.11	17538	3163
24 OPzS-ET 3000	2	125	215	580	775	790	227.3	0.11	18300	3300
25 OPzS-ET 3125	2	125	215	580	775	790	235.2	0.11	19038	3438
26 OPzS-ET 3250	2	125	215	580	775	790	236.8	0.11	19800	3575

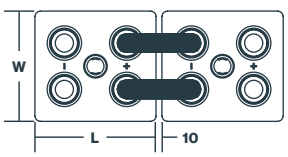
H1: Height over lid
H2: Height over pillar
M10 threaded terminal
Torque: 23Nm



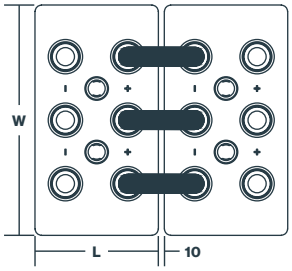
Not to scale



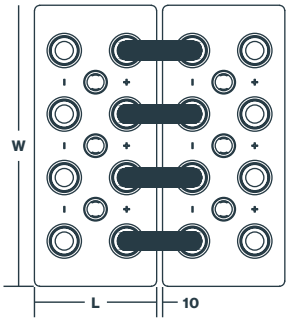
2 OPzS-ET200 to 7 OPzS-ET700



8 OPzS-ET800 to 13 OPzS-ET1625



14 OPzS-ET1750 to 18 OPzS-ET2250



19 OPzS-ET2375 to 26 OPzS-ET3250

Constant current discharge data

1.90 VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	57.3	57.3	54.7	51.4	48.4	39.6	33.4	28.9	22.9	19.0	16.4	11.9	9.6	5.3
3 OPzS-ET 150	86.0	86.0	82.0	77.0	72.5	59.3	50.0	43.4	34.3	28.5	24.5	17.8	14.4	8.0
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
13 OPzS-ET 1300	485.9	485.9	475.3	458.4	427.6	372.6	332.4	301.7	249.8	217.0	194.7	145.0	122.7	69.7
11 OPzS-ET 1375	363.0	363.0	357.7	350.5	339.9	305.2	284.7	264.3	228.6	202.9	184.2	138.8	121.0	64.2
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
13 OPzS-ET 1625	467.9	467.9	457.6	446.5	429.0	376.6	346.4	318.6	270.1	239.9	217.7	164.5	143.0	75.8
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
17 OPzS-ET 2125	611.1	611.1	597.7	584.4	561.0	497.6	452.5	415.7	353.1	313.1	285.5	215.4	187.0	99.4
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
21 OPzS-ET2625	755.5	755.5	738.2	721.9	693.0	608.3	559.2	514.0	436.0	387.0	352.3	265.7	231.0	122.3
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
23 OPzS-ET 2875	796.8	796.8	781.6	762.7	733.5	650.4	600.4	553.2	477.6	423.9	386.1	290.4	253.0	134.1
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
25 OPzS-ET 3125	866.0	866.1	849.6	829.1	797.3	707.0	652.6	601.4	519.1	460.7	419.7	316.1	275.0	145.7
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													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	71.0	70.5	65.7	62.1	56.3	44.3	37.0	31.8	25.0	20.5	17.5	12.5	10.4	5.6
3 OPzS-ET 150	106.4	105.7	98.6	93.1	84.4	66.5	55.5	47.6	37.4	30.8	26.3	18.7	15.5	8.3
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
13 OPzS-ET 1300	594.9	590.7	569.4	548.3	510.2	440.3	386.4	347.2	279.4	238.1	209.5	155.6	132.3	73.6
11 OPzS-ET 1375	464.4	463.6	454.7	443.1	426.2	372.8	342.6	313.1	264.3	228.6	204.6	153.9	131.6	71.0
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
13 OPzS-ET 1625	599.0	597.4	580.8	565.7	537.1	459.2	417.1	375.8	311.4	269.3	242.3	181.9	155.7	83.4
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
17 OPzS-ET 2125	782.3	781.4	759.7	738.8	650.3	601.0	546.0	491.7	407.4	353.1	317.2	237.1	203.7	110.2
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
21 OPzS-ET 2625	967.3	967.3	939.4	913.4	869.1	742.1	673.7	607.4	503.4	436.0	391.7	293.5	252.2	135.7
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
23 OPzS-ET 2875	1019.6	1014.9	991.2	962.9	917.6	793.9	723.2	654.3	551.3	477.6	429.5	320.9	275.6	148.3
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
25 OPzS-ET 3125	1108.2	1103.1	1077.4	1046.7	997.4	862.9	786.0	711.1	599.3	519.2	466.9	348.9	299.6	161.1
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

1.85 VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	80.5	78.9	73.1	68.9	62.1	47.5	39.5	33.7	26.4	21.6	18.4	13.0	10.9	5.8
3 OPzS-ET 150	120.7	118.3	109.6	103.3	93.1	71.2	59.2	50.6	39.6	32.3	27.5	19.4	16.3	8.7
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
13 OPzS-ET 1300	667.9	659.4	632.0	608.6	565.2	485.9	422.3	376.8	298.5	250.8	220.1	161.9	139.8	76.1
11 OPzS-ET 1375	533.0	530.3	518.7	505.4	484.0	417.3	380.8	345.2	287.4	246.5	218.9	163.7	138.8	75.6
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
13 OPzS-ET 1625	687.2	684.0	663.3	644.3	610.1	514.8	464.8	414.7	339.2	290.8	259.0	193.1	164.5	89.0
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
17 OPzS-ET 2125	897.4	893.3	868.2	843.2	798.1	672.9	607.8	541.8	444.1	380.7	339.0	252.1	215.4	116.9
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
21 OPzS-ET 2625	1111.7	1106.9	1073.2	1039.5	986.5	831.6	749.8	668.9	548.7	470.7	418.7	311.9	265.7	144.4
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
23 OPzS-ET 2875	1170.6	1165.9	1132.8	1099.8	1038.5	889.2	804.3	721.2	600.4	515.5	458.8	341.7	290.8	157.6
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
25 OPzS-ET 3125	1272.4	1267.3	1231.4	1195.4	1128.8	966.6	874.3	784.0	652.6	560.3	498.6	371.5	316.0	171.4
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

1.83VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	89.9	87.3	80.5	75.2	66.3	49.8	41.0	34.9	27.4	22.3	19.0	13.2	11.0	6.0
3 OPzS-ET 150	134.9	130.9	120.7	112.8	99.4	74.7	61.5	52.4	41.0	33.5	28.4	19.7	16.5	8.9
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
13 OPzS-ET 1300	738.8	726.1	693.3	665.8	617.2	522.9	450.9	398.0	312.3	261.4	227.6	166.1	141.9	77.6
11 OPzS-ET 1375	598.8	594.4	580.1	563.2	535.6	456.4	413.7	371.9	305.2	259.8	229.5	170.0	144.1	78.6
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
13 OPzS-ET 1625	773.0	767.4	742.0	718.2	675.3	562.5	503.7	446.5	360.7	307.5	271.7	200.2	170.0	92.1
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
17 OPzS-ET 2125	1006.0	1001.8	972.6	939.2	884.9	735.5	659.5	584.4	472.5	402.4	355.6	261.3	222.9	121.0
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
21 OPzS-ET 2625	1246.4	1236.8	1198.3	1159.8	1092.5	908.6	814.3	721.9	583.3	496.7	439.9	323.4	275.3	150.2
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
23 OPzS-ET 2875	1312.2	1302.8	1269.7	1227.2	1151.7	972.3	872.3	778.8	637.2	542.8	481.5	354.0	301.1	164.3
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
25 OPzS-ET 3125	1426.4	1416.0	1380.1	1334.0	1251.9	1056.9	948.1	846.6	692.6	590.0	523.3	384.8	327.3	178.5
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

1.80 VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	104.6	99.9	91.5	84.7	73.6	53.1	43.4	36.8	28.7	23.4	19.8	13.5	11.3	6.2
3 OPzS-ET 150	156.9	149.9	137.2	127.0	110.4	79.7	65.0	55.1	43.1	35.0	29.6	20.2	16.9	9.3
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
13 OPzS-ET 1300	846.8	826.7	784.3	751.6	693.3	579.0	494.3	430.8	333.4	276.3	238.1	171.5	145.0	79.9
11 OPzS-ET 1375	698.4	691.3	672.7	650.4	613.9	514.3	462.6	411.0	332.8	281.1	246.5	178.8	151.3	83.0
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
13 OPzS-ET 1625	901.7	893.8	858.0	826.2	773.8	634.0	563.2	494.2	393.3	332.1	291.5	210.5	178.8	97.7
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
17 OPzS-ET 2125	1160.4	1147.8	1122.9	1085.3	1010.1	829.0	738.0	647.0	514.3	434.1	380.7	275.5	233.8	127.8
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
21 OPzS-ET 2625	1453.4	1439.0	1390.8	1337.9	1251.2	1025.1	910.5	798.9	635.3	536.1	470.7	340.8	288.8	157.9
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
23 OPzS-ET 2875	1529.3	1515.1	1468.0	1416.0	1321.6	1095.1	977.1	860.0	695.8	587.2	515.5	372.9	316.3	173.7
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
25 OPzS-ET 3125	1662.3	1646.9	1595.6	1539.2	1436.6	1190.3	1062.1	934.8	756.3	638.2	560.3	405.3	343.8	188.9
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													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	127.8	118.8	107.8	97.8	83.1	57.3	45.9	38.65	30.0	24.4	20.6	14.1	11.6	6.4
3 OPzS-ET 150	191.6	178.2	161.6	146.7	124.6	86.0	68.8	58.0	45.0	36.5	30.8	21.1	17.4	9.5
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
13 OPzS-ET 1300	1024.7	986.5	932.5	887.0	811.9	653.1	551.5	468.9	355.7	289.0	246.6	176.8	149.2	82.0
11 OPzS-ET 1375	859.5	847.0	821.2	786.5	733.2	601.4	532.0	466.2	367.5	307.8	267.8	188.7	158.4	85.6
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
13 OPzS-ET 1625	1108.3	1092.3	1048.7	1001.0	925.5	741.2	649.0	560.1	434.5	363.8	316.2	223.3	186.7	102.5
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
17 OPzS-ET 2125	1448.4	1427.6	1373.3	1306.5	1210.5	972.6	847.4	732.1	567.7	475.0	414.0	292.2	244.6	134.4
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
21 OPzS-ET 2625	1785.5	1761.4	1698.8	1617.0	1491.9	1198.3	1049.1	904.7	701.7	587.1	511.1	360.9	301.3	165.5
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
23 OPzS-ET 2875	1888.0	1859.7	1793.6	1708.7	1581.3	1283.9	1123.4	972.3	768.5	642.9	559.8	395.5	330.4	181.2
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
25 OPzS-ET 3125	2052.2	2021.5	1949.6	1857.3	1718.8	1395.5	1221.0	1056.9	835.3	698.8	608.4	429.9	359.2	197.0
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

1.70 VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	149.3	135.7	120.4	108.3	90.4	60.5	47.5	39.6	30.8	24.9	20.9	14.2	11.7	6.4
3 OPzS-ET 150	224.0	203.5	180.6	162.5	135.6	90.7	71.2	59.3	46.2	37.3	31.3	21.2	17.6	9.6
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
13 OPzS-ET 1300	1201.4	1143.2	1079.6	1020.4	924.1	717.6	594.9	496.4	369.4	297.5	250.8	179.9	150.3	83.4
11 OPzS-ET 1375	1018.7	1000.9	965.3	916.4	845.3	683.3	591.6	509.8	393.3	326.5	282.9	194.9	161.9	89.0
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
13 OPzS-ET 1625	1314.8	1291.0	1235.3	1167.8	1068.5	842.1	720.5	612.5	464.8	386.1	334.4	230.4	191.4	104.9
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
17 OPzS-ET 2125	1719.7	1686.3	1611.2	1527.7	1394.2	1101.9	943.3	801.5	607.8	505.1	437.4	301.4	250.4	137.8
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
21 OPzS-ET 2625	2122.3	2083.8	1992.4	1886.5	1718.1	1361.9	1164.6	986.5	750.8	623.7	540.0	372.5	309.0	169.4
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
23 OPzS-ET 2875	2242.1	2199.6	2105.2	1996.6	1822.0	1453.8	1250.8	1066.7	822.3	682.5	591.0	407.9	338.0	186.0
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
25 OPzS-ET 3125	2437.1	2390.8	2288.2	2170.2	1980.4	1580.2	1359.6	1159.5	893.8	741.9	642.4	443.3	367.4	202.2
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													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	169.3	150.4	130.9	116.7	95.7	62.1	48.4	40.2	31.3	25.1	21.1	14.2	11.7	6.4
3 OPzS-ET 150	254.0	225.5	196.4	175.1	143.6	93.1	72.5	60.2	46.9	37.7	31.7	21.2	17.6	9.6
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
13 OPzS-ET 1300	1370.8	1291.4	1227.9	1153.8	1027.8	775.9	626.6	518.7	378.9	302.7	254.1	184.2	152.5	84.2
11 OPzS-ET 1375	1183.3	1156.7	1103.2	1045.4	952.0	758.9	641.5	544.5	411.0	339.9	293.6	198.4	163.7	89.8
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
13 OPzS-ET 1625	1525.3	1489.6	1410.2	1330.7	1199.6	937.5	781.7	654.6	486.2	402.0	346.4	234.3	193.1	105.6
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
17 OPzS-ET 2125	1995.2	1949.3	1849.1	1744.8	1573.6	1223.0	1018.5	855.7	636.1	526.0	453.3	306.3	252.1	138.6
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
21 OPzS-ET 2625	2459.2	2401.4	2281.2	2151.2	1939.4	1511.1	1260.9	1058.8	784.4	648.7	560.2	378.3	311.9	171.3
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
23 OPzS-ET 2875	2600.8	2539.5	2412.0	2279.9	2053.2	1614.3	1354.7	1137.5	860.0	710.9	613.6	414.0	341.7	187.8
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
25 OPzS-ET 3125	2827.0	2760.3	2621.8	2478.1	2231.8	1754.7	1472.5	1236.5	934.8	772.7	667.0	450.4	371.5	204.2
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

1.60 VpC	Discharge in A at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	186.6	162.4	140.4	123.5	99.9	63.6	48.8	40.6	31.5	25.0	21.0	14.1	11.7	6.4
3 OPzS-ET 150	279.9	243.7	210.5	185.3	149.8	95.4	73.2	61.0	47.2	37.5	31.5	21.2	17.6	9.6
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	12.00.4	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
13 OPzS-ET 1300	1540.1	1434.3	1376.1	1286.1	1127.3	826.7	649.9	537.7	381.1	302.7	254.0	184.2	152.4	84.2
11 OPzS-ET 1375	1347.9	1307.9	1241.1	1174.4	1058.8	830.1	682.4	571.2	423.5	347.9	299.8	199.3	163.7	89.9
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
13 OPzS-ET 1625	1735.9	1688.2	1584.9	1493.6	1334.7	1024.8	830.2	686.4	500.5	411.5	353.5	236.0	193.1	105.7
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
17 OPzS-ET 2125	2274.9	2208.1	2074.5	1953.5	1744.8	1335.7	1089.4	901.6	654.5	538.5	462.5	308.9	252.1	138.6
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
21 OPzS-ET 2625	2810.5	2728.7	2560.3	2415.9	2156.0	1650.7	1342.7	1111.7	808.5	664.1	571.7	381.2	311.9	171.3
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
23 OPzS-ET 2875	2959.5	2874.6	2709.4	2553.6	2279.8	1770.1	1439.6	1194.2	885.5	727.8	625.9	417.3	341.7	187.9
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
25 OPzS-ET 3125	3216.9	3124.5	2945.0	2775.7	2478.1	1924.0	1564.8	1298.0	962.5	791.1	680.3	453.5	371.5	204.2
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													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	108.8	108.8	104.1	98.3	92.5	76.2	64.1	55.7	44.4	37.0	32.0	23.3	19.0	10.6
3 OPzS-ET 150	163.2	163.2	156.1	147.5	138.8	114.3	96.2	83.6	66.6	55.5	48.0	34.9	28.5	15.8
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
13 OPzS-ET 1300	925.1	925.1	907.1	875.4	819.3	717.7	640.4	583.2	484.8	423.4	381.1	285.8	243.5	138.7
11 OPzS-ET 1375	689.5	689.5	679.7	666.4	647.7	582.8	547.2	507.1	441.3	392.4	358.6	272.3	238.4	127.2
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
13 OPzS-ET 1625	889.8	889.8	869.9	850.1	818.3	719.0	664.2	611.7	521.2	464.0	423.4	322.5	282.0	150.2
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
17 OPzS-ET 2125	1160.4	1160.4	1135.4	1110.3	1068.6	951.7	868.2	798.1	681.2	606.1	555.2	422.4	368.2	197.0
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
21 OPzS-ET 2625	1434.1	1434.1	1400.4	1371.6	1318.6	1159.8	1073.2	986.6	841.2	748.8	685.3	520.7	455.3	242.6
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
23 OPzS-ET 2875	1512.2	1512.2	1486.8	1449.1	1397.2	1241.4	1151.7	1062.0	922.3	820.4	750.5	570.2	498.4	266.2
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
25 OPzS-ET 3125	1646.9	1646.9	1616.1	1575.1	1518.7	1349.3	1251.9	1154.4	1002.5	891.7	815.8	619.8	541.8	289.4
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

1.87VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	132.5	131.4	123.5	116.7	106.7	84.1	70.4	61.0	48.1	39.7	34.2	24.4	20.3	11.1
3 OPzS-ET 150	198.7	197.1	185.3	175.1	160.1	126.2	105.7	91.5	72.2	59.6	51.3	36.7	30.4	16.6
4 OPzS-ET 200	265.0	262.9	247.1	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
13 OPzS-ET 1300	1111.4	1106.1	1069.1	1033.1	963.2	836.2	735.7	663.7	537.7	460.4	408.6	304.8	261.5	146.1
11 OPzS-ET 1375	868.4	866.6	850.6	828.3	745.6	701.1	645.9	591.7	503.6	437.7	394.1	298.9	258.0	140.6
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
13 OPzS-ET 1625	1120.2	1116.2	1084.4	1056.6	941.4	862.0	786.5	710.2	591.9	515.6	466.3	353.5	305.1	165.2
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
17 OPzS-ET 2125	1465.1	1460.9	1419.2	1390.0	1139.5	1131.2	1031.0	930.8	776.4	676.2	610.3	460.8	399.0	217.9
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
21 OPzS-ET 2625	1814.3	1809.5	1756.6	1708.4	1520.8	1395.6	1270.5	1150.2	958.7	834.5	753.6	570.8	494.7	268.5
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
23 OPzS-ET 2875	1906.9	1897.5	1855.0	1798.4	1604.9	1491.6	1364.1	1236.7	1047.9	914.8	827.0	624.0	540.0	293.6
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
25 OPzS-ET 3125	2072.8	2062.5	2016.3	1954.8	1744.4	1621.3	1482.7	1344.2	1139.0	994.3	898.9	678.3	586.9	319.1
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

1.85VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	148.8	146.7	136.7	128.8	115.7	89.4	74.6	64.1	50.5	41.6	35.5	25.2	21.2	11.5
3 OPzS-ET 150	223.2	220.0	205.0	193.2	173.5	134.1	112.0	96.2	75.8	62.4	53.3	37.9	31.8	17.2
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
13 OPzS-ET 1300	1238.4	1227.9	1180.2	1137.9	1058.5	916.7	799.2	716.6	571.6	482.7	427.6	317.6	273.1	150.3
11 OPzS-ET 1375	987.6	983.1	960.9	938.6	898.6	778.5	712.7	647.7	544.5	468.0	419.1	316.7	270.5	148.6
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
13 OPzS-ET 1625	1271.1	1267.1	1231.4	1195.6	1136.1	961.3	869.9	778.6	642.7	552.1	495.7	373.4	321.0	175.6
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
17 OPzS-ET 2125	1661.3	1652.9	1611.2	1565.3	1486.0	1256.4	1139.5	1018.5	843.2	723.0	648.7	487.5	419.9	230.4
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
21 OPzS-ET 2625	2059.8	2050.1	1992.4	1929.8	1833.6	1549.6	1405.3	1256.1	1039.5	894.2	801.8	603.5	517.8	283.9
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
23 OPzS-ET 2875	2166.5	2157.1	2100.5	2043.8	1930.5	1656.8	1505.7	1354.7	1137.6	977.1	878.9	660.8	567.4	310.6
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
25 OPzS-ET 3125	2354.9	2344.7	2283.1	2221.5	2098.4	1800.8	1636.7	1472.5	1236.5	1062.0	955.3	718.3	616.7	337.6
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

1.83VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	164.5	160.9	148.8	138.8	123.5	93.0	77.3	66.2	52.1	42.8	36.5	25.6	21.5	11.8
3 OPzS-ET 150	246.8	241.3	223.2	208.2	185.3	139.6	115.9	99.4	78.1	64.2	54.8	38.4	32.3	17.7
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
13 OPzS-ET 1300	1349.6	1339.0	1280.8	1233.2	1143.2	979.1	848.9	753.7	595.9	500.7	439.3	322.8	276.3	153.5
11 OPzS-ET 1375	1089.9	1085.4	1063.2	1036.5	987.6	844.3	767.8	692.2	575.6	491.1	436.8	327.4	279.4	153.9
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
13 OPzS-ET 1625	1414.1	1406.2	1362.5	1322.8	1247.3	1040.7	933.5	830.2	680.0	580.7	517.2	385.3	329.7	180.3
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
17 OPzS-ET 2125	1840.8	1832.4	1786.5	1728.1	1632.1	1360.8	1223.0	1089.4	889.9	760.5	677.9	503.4	432.4	237.1
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
21 OPzS-ET 2625	2276.3	2261.9	2199.3	2131.9	2016.4	1679.6	1511.1	1342.7	1097.3	938.4	838.3	622.7	534.2	294.5
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
23 OPzS-ET 2875	2397.8	2383.7	2331.8	2256.2	2124.1	1798.4	1619.0	1449.1	1198.9	1024.3	917.6	681.6	584.4	321.9
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
25 OPzS-ET 3125	2606.3	2591.0	2534.5	2452.4	2308.8	1954.8	1759.8	1575.1	1303.2	1113.3	997.4	740.9	635.2	349.9
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

1.80VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	188.7	181.9	166.6	154.6	134.6	98.8	81.0	68.9	54.1	44.6	38.0	26.1	21.9	12.2
3 OPzS-ET 150	283.1	272.8	250.0	231.8	201.9	148.2	121.4	103.3	81.2	66.9	57.0	39.2	32.9	18.3
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
13 OPzS-ET 1300	1524.2	1497.8	1429.0	1370.8	1270.2	1074.4	925.1	809.8	631.9	526.1	457.3	332.4	281.6	156.7
11 OPzS-ET 1375	1254.5	1245.6	1218.9	1183.3	1121.0	943.1	851.4	759.8	621.9	528.5	467.1	342.5	291.8	161.9
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
13 OPzS-ET 1625	1620.7	1612.7	1553.1	1505.5	1414.1	1159.9	1036.8	913.6	735.7	624.4	552.1	402.8	344.8	190.7
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
17 OPzS-ET 2125	2082.9	2070.4	2032.8	1974.4	1845.0	1515.2	1356.6	1193.8	960.0	816.5	721.3	527.6	450.8	248.8
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
21 OPzS-ET 2625	2613.2	2598.8	2516.9	2435.1	2281.1	1876.9	1674.8	1477.4	1188.7	1005.8	892.2	652.6	557.3	308.0
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
23 OPzS-ET 2875	2751.8	2733.0	2657.4	2577.2	2412.0	2006.1	1798.4	1590.7	1302.8	1104.5	977.1	713.7	610.8	338.9
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
25 OPzS-ET 3125	2991.1	2970.6	2888.5	2801.3	2621.7	2180.5	1954.8	1729.0	1416.0	1200.6	1062.0	775.7	663.9	368.4
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

1.75VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	224.5	210.8	191.9	174.5	149.8	105.1	84.6	72.0	56.8	46.1	39.3	27.1	22.5	12.5
3 OPzS-ET 150	336.7	316.2	287.8	261.8	224.7	157.7	127.0	108.0	85.2	69.2	58.9	40.7	33.8	18.7
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
13 OPzS-ET 1300	1794.2	1746.5	1656.6	1582.5	1460.7	1196.1	1020.4	874.3	670.0	546.2	472.1	341.9	290.0	160.9
11 OPzS-ET 1375	1503.6	1490.3	1450.2	1401.3	1307.9	1076.5	956.4	846.1	677.1	571.2	502.7	358.6	303.4	168.2
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
13 OPzS-ET 1625	1938.4	1922.6	1851.1	1783.5	1652.4	1326.7	1167.8	1016.9	802.4	675.3	593.5	424.2	357.5	198.6
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
17 OPzS-ET 2125	2533.7	2512.8	2425.2	2325.8	2162.2	1740.6	1523.5	1327.4	1047.7	880.7	777.2	555.2	468.3	260.5
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
21 OPzS-ET 2625	3123.3	3099.3	2998.2	2877.9	2661.3	2146.4	1886.5	1641.1	1294.6	1087.6	959.6	685.3	576.5	321.5
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
23 OPzS-ET 2875	3304.1	3271.1	3167.2	3039.8	2822.6	2298.7	2020.2	1765.3	1416.0	1189.5	1052.6	751.4	632.5	351.2
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
25 OPzS-ET 3125	3591.4	3555.5	3442.6	3304.1	3068.1	2498.6	2195.9	1918.8	1539.2	1292.9	1144.1	816.8	687.5	381.7
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

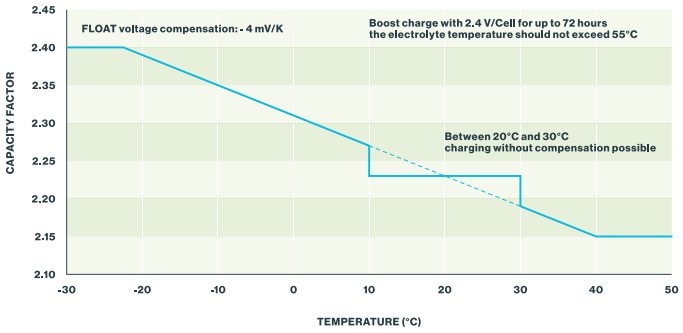
1.70VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	255.0	233.9	209.2	188.7	159.8	108.8	87.3	73.1	57.8	46.8	39.7	27.2	22.7	12.5
3 OPzS-ET 150	382.4	350.9	313.8	283.1	239.7	163.2	130.9	109.6	86.7	70.3	59.6	40.8	34.0	18.8
4 OPzS-ET 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
13 OPzS-ET 1300	2053.5	1968.8	1873.6	1783.6	1630.1	1296.7	1090.3	919.8	694.4	561.0	477.4	346.1	292.1	163.0
11 OPzS-ET 1375	1734.9	1717.1	1659.3	1588.1	1476.9	1201.1	1045.4	911.9	714.4	597.9	524.9	368.3	309.6	171.7
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
13 OPzS-ET 1625	2240.3	2216.5	2125.1	2025.8	1863.0	1477.7	1275.1	1092.4	846.1	706.3	629.2	435.4	365.4	202.6
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
17 OPzS-ET 2125	2930.2	2892.7	2771.6	2650.6	2433.5	1932.6	1669.6	1431.7	1106.1	922.5	812.3	569.3	478.4	266.3
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
21 OPzS-ET 2625	3619.0	3575.7	3426.5	3272.5	2998.2	2391.8	2059.8	1761.4	1361.9	1140.6	1001.0	703.6	590.0	328.2
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
23 OPzS-ET 2875	3818.6	3771.4	3620.4	3464.6	3181.4	2553.6	2213.8	1902.2	1496.3	1246.1	1095.1	770.3	645.7	359.7
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
25 OPzS-ET 3125	4150.7	4099.3	3935.2	3765.9	3458.0	2775.7	2406.3	2067.6	1626.4	1354.5	1190.3	837.3	701.9	391.0
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

1.65VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	281.8	252.9	222.4	199.2	165.6	110.9	87.8	74.1	58.4	47.2	40.0	27.2	22.7	12.5
3 OPzS-ET 150	422.7	379.3	333.6	298.9	248.4	166.4	131.7	111.2	87.5	70.7	60.0	40.8	34.0	18.8
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
13 OPzS-ET 1300	2275.8	2169.9	2080.0	1968.8	1778.3	1381.3	1137.9	956.9	708.1	569.5	481.6	353.5	294.3	164.1
11 OPzS-ET 1375	1957.4	1930.7	1855.0	1775.0	1632.6	1312.3	1121.0	960.9	740.2	618.3	542.7	372.8	311.4	173.5
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
13 OPzS-ET 1625	2522.4	2486.6	2367.4	2260.2	2057.6	1620.7	1362.5	1155.9	877.9	731.7	639.5	440.9	367.0	204.2
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
17 OPzS-ET 2125	3301.7	3255.8	3105.5	2967.8	2700.6	2116.3	1778.2	1511.0	1147.9	955.9	839.0	576.0	479.2	267.1
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
21 OPzS-ET 2625	4066.6	4008.8	3830.8	3657.5	3325.4	2613.2	2199.3	1867.3	1414.9	1179.1	1034.7	711.3	592.9	330.1
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
23 OPzS-ET 2875	4300.1	4238.7	4049.9	3875.2	3521.2	2794.3	2364.8	2006.1	1548.2	1293.3	1132.8	778.8	649.5	362.5
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
25 OPzS-ET 3125	4674.0	4607.3	4402.1	4212.2	3827.4	3037.3	2570.4	2180.5	1682.8	1405.8	1231.3	846.5	706.0	394.0
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

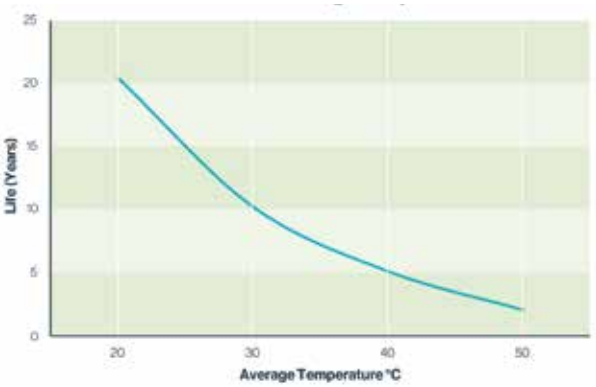
1.60VpC	Discharge in W at 20°C													
	3 m	10 m	15 m	20 m	30 m	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
2 OPzS-ET 100	302.3	266.5	232.9	207.1	170.3	112.0	87.8	74.1	58.9	47.1	40.0	27.2	22.7	12.5
3 OPzS-ET 150	453.4	399.8	349.3	310.7	255.5	168.0	131.7	111.2	88.3	70.6	60.0	40.8	34.0	18.8
4 OPzS-ET 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	1085.7	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
13 OPzS-ET 1300	2487.5	2355.2	2275.8	2154.1	1921.2	1460.7	1169.6	985.5	710.3	567.4	481.6	353.5	294.3	164.1
11 OPzS-ET 1375	2166.4	2126.4	2037.4	1957.4	1783.9	1414.6	1178.9	996.5	759.8	631.7	550.7	373.7	311.4	173.5
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
13 OPzS-ET 1625	2792.5	2744.8	2597.8	2486.6	2248.3	1747.8	1434.0	1199.6	897.7	746.8	649.1	442.5	367.0	204.2
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
17 OPzS-ET 2125	3660.7	3589.7	3401.9	3251.6	2938.6	2279.1	1878.3	1573.6	1172.9	976.7	851.5	579.4	479.2	267.1
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
21 OPzS-ET 2625	4523.8	4432.3	4196.5	4023.3	3633.4	2815.3	2314.8	1939.4	1453.4	1203.1	1049.1	714.2	592.9	330.1
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
23 OPzS-ET 2875	4762.6	4672.9	4441.7	4252.9	3842.2	3016.2	2482.8	2081.6	1590.7	1321.6	1151.7	782.6	649.5	362.5
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
25 OPzS-ET 3125	5176.8	5079.3	4827.9	4622.7	4176.3	3278.5	2698.7	2262.6	1729.0	1436.6	1251.9	850.7	706.0	394.0
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 Technical Data

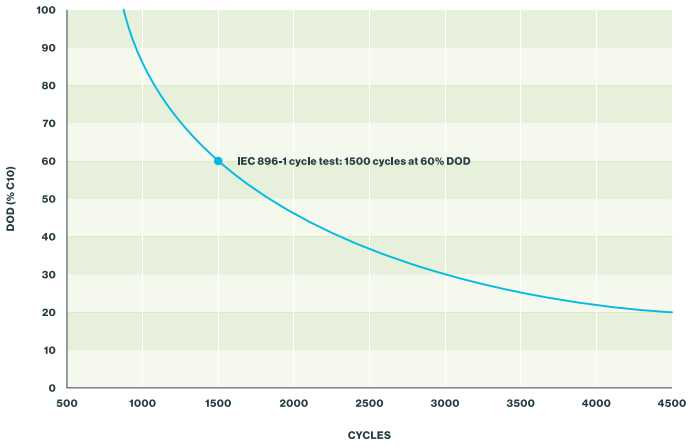
Charging voltage vs. Temperature



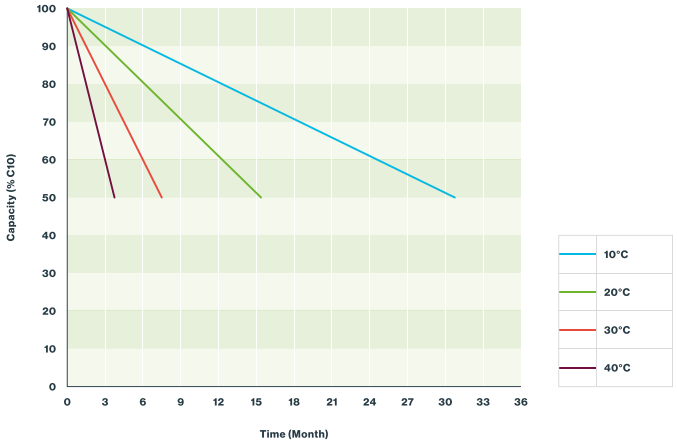
Float Life vs. Average Temperature



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 m^3 H_2

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

Dilution by fresh air necessary to bring H_2 to less than 4%

Ventilation calculation acc. to EN 50272-2

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

Q = Quantity fresh air [m^3/h]

v = necessary dilution of H_2 factor 24 (100% - 4%)/4% = 24)

$q = 0.42 \cdot 10^{-3}$ m^3/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 C_{10} (Ah) to 1.80 VpC @ 20°C

Simplified formula

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

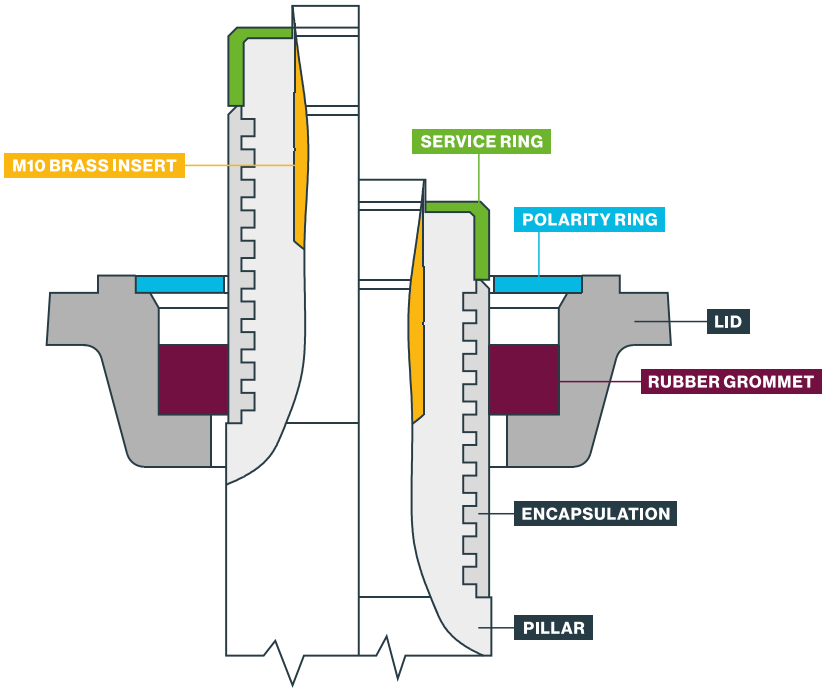
To avoid leakage currents keep the battery clean and dry.

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

Pillar sealing design



OPzS Standby Power Technology

1. Positive plate

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

2. Negative plate

Industry leading negative plate design

3. Separator

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

4. Container

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

4. Terminal

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

5. Gauntlet

Non-woven, high-capacity polyester gauntlet

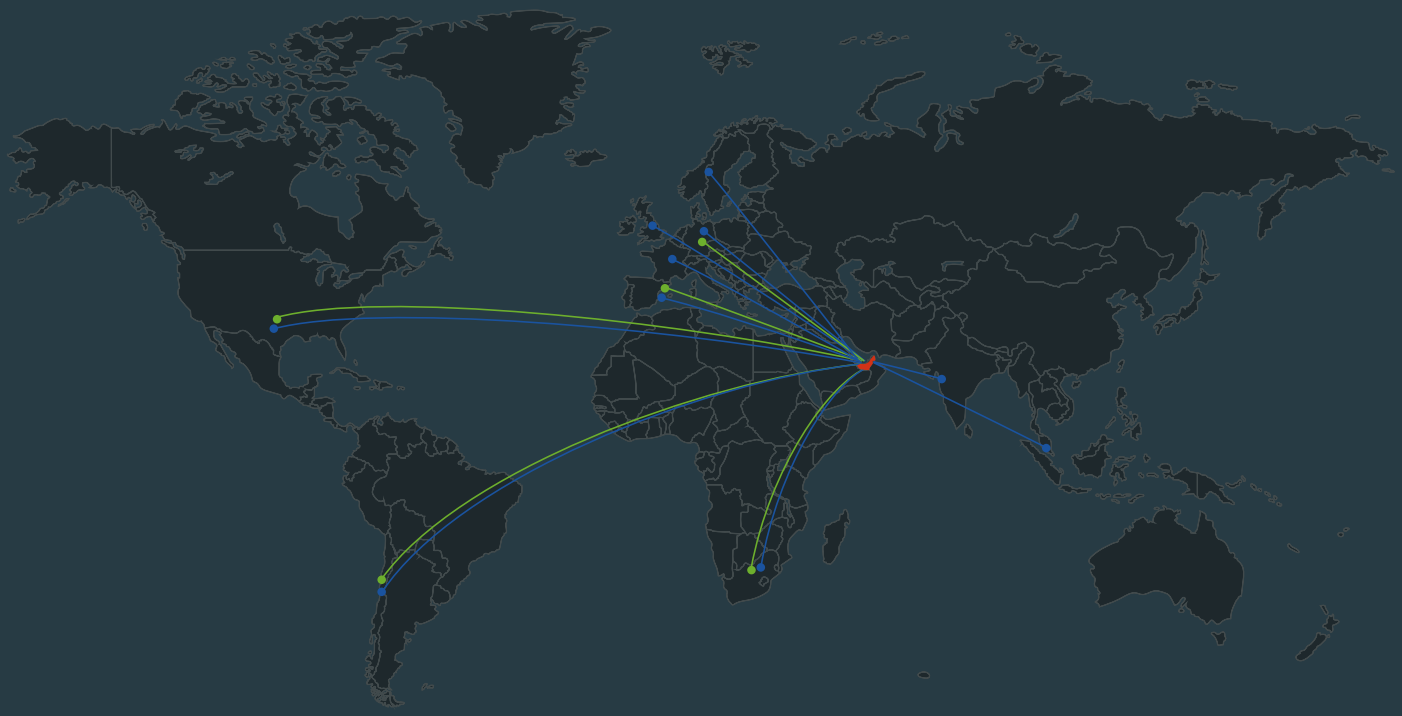
6. Electrolyte

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

7. Lid

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

A global leader in the industrial battery market providing world-class products for Motive Power and Reserve Power applications.



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