



PERFORMANCE DATA

POPzS

Constant current discharge (in A) @ +20°C to the end-of-discharge voltage

Uk=1.67V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	267.9	213.4	150.2	100.0	76.5	62.7	53.1	46.4	37.4	31.7	16.1
2	4 POPzS 354	357.3	284.5	200.3	133.4	101.9	83.7	70.9	61.8	49.9	42.3	21.5
3	5 POPzS 443	445.3	354.2	249.3	165.6	127.8	104.3	88.3	77.0	62.3	52.7	26.9
4	4 POPzS 500	399.7	340.2	262.4	186.5	145.2	119.0	101.6	89.1	72.0	60.0	29.5
5	5 POPzS 625	499.6	425.3	328.0	233.1	181.5	148.8	127.0	111.4	90.0	75.0	36.9
6	6 POPzS 750	599.5	510.4	393.6	279.7	217.8	178.6	152.4	133.7	108.0	90.0	44.3
7	7 POPzS 875	699.4	595.4	459.2	326.3	254.1	208.3	177.8	156.0	126.0	105.0	51.7
8	8 POPzS 1000	799.4	680.5	524.8	373.0	290.4	238.1	203.2	178.2	144.0	120.0	59.0

Uk=1.70V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	237.7	179.7	130.2	87.0	66.5	54.5	46.3	40.3	32.6	27.5	14.1
2	4 POPzS 354	317.0	239.5	173.6	116.0	88.7	72.7	61.7	53.8	43.4	36.7	18.6
3	5 POPzS 443	395.9	299.1	217.3	144.5	111.4	91.0	77.0	67.2	54.3	45.9	23.4
4	4 POPzS 500	394.8	335.0	259.4	184.4	143.6	117.7	100.4	88.1	71.2	59.3	29.2
5	5 POPzS 625	493.5	418.8	324.2	230.5	179.5	147.1	125.5	110.2	89.0	74.1	36.5
6	6 POPzS 750	592.2	502.5	389.1	276.6	215.4	176.6	150.6	132.2	106.8	89.0	43.8
7	7 POPzS 875	690.9	586.3	454.0	322.7	251.3	206.0	175.7	154.2	124.6	103.8	51.1
8	8 POPzS 1000	789.6	670.0	518.8	368.8	287.2	235.4	200.8	176.2	142.4	118.6	58.4

Uk=1.75V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	203.1	163.2	123.4	84.7	65.4	53.7	45.7	39.8	32.1	27.2	13.8
2	4 POPzS 354	270.7	217.6	164.6	112.9	87.2	71.7	60.9	53.0	42.9	36.2	18.4
3	5 POPzS 443	339.0	271.8	205.8	141.0	108.9	89.6	76.1	66.3	53.5	45.4	23.1
4	4 POPzS 500	329.1	287.9	233.8	172.8	137.3	114.0	97.1	85.8	69.6	58.0	28.4
5	5 POPzS 625	411.4	359.9	292.3	216.0	171.6	142.5	121.4	107.3	87.0	72.5	35.5
6	6 POPzS 750	493.7	431.9	350.7	259.2	206.0	171.0	145.7	128.7	104.4	87.0	42.6
7	7 POPzS 875	575.9	503.8	409.2	302.4	240.3	199.5	169.9	150.2	121.8	101.5	49.7
8	8 POPzS 1000	658.2	575.8	467.6	345.6	274.6	228.0	194.2	171.6	139.2	116.0	56.8

Uk=1.80V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	170.6	142.7	110.3	79.0	63.1	52.0	44.5	39.0	31.5	26.6	13.5
2	4 POPzS 354	227.5	190.3	147.1	105.4	84.1	69.4	59.3	52.0	42.1	35.4	17.9
3	5 POPzS 443	284.3	237.7	184.2	131.9	104.7	86.7	74.2	64.9	52.5	44.3	22.6
4	4 POPzS 500	270.4	245.8	207.0	158.9	128.3	107.4	92.5	81.8	66.3	55.7	27.2
5	5 POPzS 625	338.0	307.2	258.7	198.6	160.4	134.3	115.6	102.3	82.8	69.6	34.0
6	6 POPzS 750	405.6	368.7	310.5	238.4	192.5	161.1	138.8	122.7	99.5	83.6	40.8
7	7 POPzS 875	473.2	430.2	362.3	278.1	224.5	188.0	161.9	143.2	116.0	97.5	47.6
8	8 POPzS 1000	540.8	491.6	414.0	317.8	256.6	214.8	185.0	163.6	132.6	111.4	54.4



PERFORMANCE DATA

POPzS

Constant current discharge (in A) @ +20°C to the end-of-discharge voltage

Uk=1.83V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	149.6	126.9	101.8	74.5	60.2	49.9	43.0	37.7	30.4	25.7	13.0
2	4 POPzS 354	199.4	169.0	135.7	99.3	80.3	66.6	57.4	50.3	40.6	34.3	17.4
3	5 POPzS 443	249.1	211.5	169.5	123.9	100.0	83.2	71.7	62.9	50.7	42.7	21.8
4	4 POPzS 500	236.2	215.9	186.1	146.3	119.4	100.4	87.2	77.2	62.9	52.7	25.9
5	5 POPzS 625	295.3	269.9	232.6	182.8	149.2	125.6	109.0	96.5	78.7	65.9	32.3
6	6 POPzS 750	354.3	323.9	279.2	219.5	179.1	150.6	130.8	115.8	94.4	79.1	38.9
7	7 POPzS 875	413.4	377.8	325.7	256.0	209.0	175.7	152.6	135.1	110.1	92.2	45.3
8	8 POPzS 1000	472.4	431.8	372.2	292.6	238.8	200.8	174.4	154.4	125.8	105.4	51.8

Uk=1.85V/cell

No	Type	Discharge time												
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h	50h	100h
1	3 POPzS 266	136.5	116.6	95.0	71.1	56.8	47.9	41.4	36.5	29.5	24.8	13.9	6.7	3.6
2	4 POPzS 354	181.9	155.4	126.6	94.7	75.8	63.8	55.2	48.6	39.3	33.1	18.5	8.9	4.7
3	5 POPzS 443	227.5	194.5	158.1	118.3	95.4	79.8	69.0	60.7	49.1	41.4	23.1	11.3	6.0
4	4 POPzS 500	214.7	198.4	172.5	136.0	111.7	94.5	81.9	72.9	60.0	50.4	28.5	13.4	7.24
5	5 POPzS 625	268.3	247.9	215.6	170.0	139.7	118.1	102.3	91.1	75.0	63.0	35.6	16.8	9.05
6	6 POPzS 750	322.1	297.6	258.8	204.0	167.6	141.8	122.9	109.4	90.0	75.6	42.8	20.1	10.9
7	7 POPzS 875	375.7	347.2	301.9	238.0	195.5	165.4	143.3	127.6	105.0	88.2	49.9	23.5	12.7
8	8 POPzS 1000	429.4	396.8	345.0	272.0	223.4	189.0	163.8	145.8	120.0	100.8	57.0	26.8	14.5

Uk=1.87V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	122.9	106.3	87.5	67.1	53.7	45.3	39.3	34.7	28.2	23.8	12.0
2	4 POPzS 354	163.8	141.8	116.8	89.5	71.7	60.3	52.5	46.3	37.6	31.8	15.9
3	5 POPzS 443	204.8	177.4	146.7	111.4	89.6	75.4	65.5	57.8	47.0	39.7	20.0
4	4 POPzS 500	193.1	179.1	156.2	123.7	103.1	88.2	77.2	68.9	57.0	47.7	22.9
5	5 POPzS 625	241.4	223.9	195.3	154.6	128.9	110.2	96.5	86.2	71.2	59.6	28.6
6	6 POPzS 750	289.7	268.7	234.3	185.6	154.7	132.3	115.8	103.4	85.5	71.6	34.4
7	7 POPzS 875	337.9	313.4	273.4	216.5	180.4	154.4	135.1	120.6	99.8	83.5	40.1
8	8 POPzS 1000	386.2	358.2	312.4	247.4	206.2	176.4	154.4	137.8	114.0	95.4	45.8

Uk=1.90V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	100.1	89.8	75.1	57.9	47.5	40.5	35.3	31.4	25.8	21.8	10.9
2	4 POPzS 354	133.5	119.8	100.1	77.4	63.4	53.8	47.1	41.9	34.4	29.0	14.4
3	5 POPzS 443	167.2	149.0	125.1	96.7	79.3	67.3	58.9	52.5	43.0	36.3	18.2
4	4 POPzS 500	159.2	147.9	131.4	107.4	90.8	77.9	68.3	61.6	51.4	43.4	20.4
5	5 POPzS 625	199.1	184.9	164.2	134.3	113.6	97.4	85.3	77.0	64.2	54.3	25.5
6	6 POPzS 750	238.8	221.9	197.1	161.1	136.2	116.9	102.5	92.4	77.1	65.1	30.6
7	7 POPzS 875	278.6	258.8	230.0	188.0	158.9	136.3	119.5	107.8	90.0	76.0	35.7
8	8 POPzS 1000	318.4	295.8	262.8	214.8	181.6	155.8	136.6	123.2	102.8	86.8	40.8



PERFORMANCE DATA

POPzS

Constant power discharge (in W/cell) @ +20°C to the end-of-discharge voltage

U_k=1.67V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	464.7	379.4	271.5	183.7	141.8	116.9	100.0	87.5	71.2	60.1	30.7
2	4 POPzS 354	619.5	505.8	362.1	244.9	189.0	155.9	133.3	116.7	94.9	80.2	40.9
3	5 POPzS 443	772.9	631.7	450.2	303.9	236.0	194.3	165.5	144.7	117.8	99.9	51.2
4	4 POPzS 500	693.9	606.4	473.8	342.1	267.9	221.9	190.4	167.9	136.7	114.3	56.4
5	5 POPzS 625	867.4	758.0	592.2	427.6	334.9	277.4	238.0	209.9	170.9	142.8	70.5
6	6 POPzS 750	1040.9	909.6	710.7	513.2	401.9	332.9	285.6	251.9	205.1	171.5	84.6
7	7 POPzS 875	1214.3	1061.2	829.2	598.7	468.8	388.3	333.2	293.8	239.2	200.0	98.7
8	8 POPzS 1000	1387.8	1212.8	947.6	684.2	535.8	443.8	380.8	335.8	273.4	228.6	112.8

U_k=1.70V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	412.3	319.5	235.4	159.8	123.3	101.7	87.0	76.1	61.9	52.3	26.7
2	4 POPzS 354	549.8	426.1	313.8	213.0	164.5	135.7	115.9	101.5	82.5	69.7	35.5
3	5 POPzS 443	687.1	533.4	392.3	264.9	205.7	169.4	144.3	126.1	102.6	87.1	44.7
4	4 POPzS 500	685.4	597.1	468.4	338.3	264.9	219.5	188.3	166.0	135.2	113.0	55.7
5	5 POPzS 625	856.8	746.3	585.5	422.8	331.2	274.3	235.3	207.5	169.0	141.2	69.7
6	6 POPzS 750	1028.1	895.7	702.6	507.5	397.4	329.3	282.5	249.0	202.8	169.5	83.6
7	7 POPzS 875	1199.5	1044.9	819.7	592.0	463.6	384.1	329.5	290.5	236.6	197.8	97.5
8	8 POPzS 1000	1370.8	1194.2	936.8	676.6	529.8	439.0	376.6	332.0	270.4	226.0	111.4

U_k=1.75V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	362.3	294.5	225.1	156.3	121.6	100.6	86.4	75.0	61.4	51.9	26.4
2	4 POPzS 354	483.1	392.7	300.2	208.5	162.2	134.2	115.2	100.0	81.8	69.3	35.2
3	5 POPzS 443	604.0	490.2	375.3	260.3	202.4	168.2	143.2	125.0	101.9	86.5	44.2
4	4 POPzS 500	585.9	519.8	425.9	319.0	256.0	213.5	183.0	162.4	132.5	110.7	54.4
5	5 POPzS 625	732.4	649.7	532.4	398.8	320.0	266.9	228.7	203.0	165.7	138.3	68.0
6	6 POPzS 750	878.9	779.7	638.9	478.5	384.0	320.3	274.5	243.6	198.8	166.1	81.6
7	7 POPzS 875	1025.3	909.7	745.3	558.3	448.0	373.6	320.3	284.2	231.9	193.7	95.2
8	8 POPzS 1000	1171.8	1039.6	851.8	638.0	512.0	427.0	366.0	324.8	265.0	221.4	108.8

U_k=1.80V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	311.1	260.5	203.5	147.2	117.7	98.3	84.1	73.8	60.2	50.9	26.1
2	4 POPzS 354	414.9	347.2	271.4	196.3	156.9	131.1	112.1	98.5	80.2	67.9	34.7
3	5 POPzS 443	518.7	434.4	338.9	245.6	196.7	163.7	140.9	122.7	100.5	84.9	43.5
4	4 POPzS 500	493.0	448.5	380.8	295.8	240.4	202.5	175.3	155.4	126.6	106.7	52.6
5	5 POPzS 625	616.3	560.6	476.0	369.8	300.5	253.2	219.2	194.3	158.2	133.4	65.8
6	6 POPzS 750	739.5	672.8	571.2	443.7	360.6	303.8	263.0	233.1	189.9	160.1	78.9
7	7 POPzS 875	862.8	784.9	666.4	517.7	420.7	354.4	306.8	272.0	221.6	186.7	92.1
8	8 POPzS 1000	986.0	897.0	761.6	591.6	480.8	405.0	350.6	310.8	253.2	213.4	105.2



PERFORMANCE DATA

POPzS

Constant power discharge (in W/cell) @ +20°C to the end-of-discharge voltage

Uk=1.83V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	275.9	235.4	188.8	139.9	113.7	94.9	81.8	72.1	58.5	49.6	25.3
2	4 POPzS 354	367.8	313.8	251.7	186.5	151.5	126.5	109.1	96.2	77.9	66.2	33.7
3	5 POPzS 443	459.5	392.3	313.8	233.1	189.8	157.9	136.3	120.5	97.6	82.6	42.3
4	4 POPzS 500	435.9	400.7	344.6	274.6	225.8	191.3	166.0	147.5	121.3	102.1	50.1
5	5 POPzS 625	544.9	500.9	430.8	343.2	282.2	239.1	207.6	184.3	151.6	127.6	62.6
6	6 POPzS 750	653.9	601.1	516.9	411.9	338.7	287.0	249.0	221.3	182.0	153.2	75.2
7	7 POPzS 875	762.8	701.2	603.1	480.6	395.2	334.8	290.5	258.1	212.3	178.7	87.7
8	8 POPzS 1000	871.8	801.4	689.2	549.2	451.6	382.6	332.0	295.0	242.6	204.2	100.2

Uk=1.85V/cell

No	Type	Discharge time												
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h	50h	100h
1	3 POPzS 266	254.2	217.8	177.9	134.2	109.1	91.5	79.5	69.8	57.4	48.1	27.1	13.1	7.0
2	4 POPzS 354	339.0	290.4	237.3	178.9	145.5	121.9	106.1	93.1	76.5	64.2	36.1	17.5	9.3
3	5 POPzS 443	424.2	362.7	295.7	224.0	181.9	152.3	131.8	115.9	95.2	80.3	45.1	22.1	11.7
4	4 POPzS 500	400.1	370.5	323.4	257.3	213.2	180.3	156.8	139.8	116.0	98.1	55.7	26.2	14.1
5	5 POPzS 625	500.1	463.1	404.3	321.7	266.5	225.4	196.0	174.8	144.9	122.6	69.6	32.8	17.7
6	6 POPzS 750	600.2	555.8	485.1	386.0	319.8	270.5	235.2	209.7	174.0	147.2	83.6	39.3	21.2
7	7 POPzS 875	700.2	648.4	566.0	450.3	373.1	315.5	274.4	244.7	203.0	171.7	97.5	45.9	24.7
8	8 POPzS 1000	800.2	741.0	646.8	514.6	426.4	360.6	313.6	279.6	232.0	196.2	111.4	52.4	28.2



Uk=1.87V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	232.0	200.7	166.6	127.3	103.4	87.0	76.1	67.1	55.0	46.6	23.4
2	4 POPzS 354	309.4	267.7	222.2	169.8	137.9	115.9	101.5	89.4	73.3	62.2	31.2
3	5 POPzS 443	386.7	334.4	277.5	212.6	172.8	145.5	127.3	112.0	91.5	77.7	39.3
4	4 POPzS 500	364.3	338.0	296.2	236.5	198.3	170.4	149.8	133.5	110.7	93.8	44.9
5	5 POPzS 625	455.3	422.5	370.3	295.6	247.8	213.0	187.3	166.9	138.3	117.2	56.1
6	6 POPzS 750	546.5	507.0	444.3	354.8	297.5	255.6	224.7	200.3	166.1	140.7	67.4
7	7 POPzS 875	637.5	591.5	518.4	413.9	347.0	298.2	262.2	233.6	193.7	164.2	78.6
8	8 POPzS 1000	728.6	676.0	592.4	473.0	396.6	340.8	299.6	267.0	221.4	187.6	89.8

Uk=1.90V/cell

No	Type	Discharge time										
		15'	30'	1h	2h	3h	4h	5h	6h	8h	10h	24h
1	3 POPzS 266	191.1	171.2	143.9	112.0	92.1	78.4	68.8	61.4	50.5	43.0	21.6
2	4 POPzS 354	254.7	228.2	191.8	149.4	122.7	104.6	91.7	81.8	67.3	57.4	28.8
3	5 POPzS 443	318.5	285.5	240.0	186.5	153.5	130.7	114.7	102.5	84.1	71.7	36.2
4	4 POPzS 500	303.2	282.6	251.8	207.6	176.4	151.8	133.2	120.3	100.4	85.8	41.0
5	5 POPzS 625	379.0	353.3	314.7	259.5	220.5	189.8	166.5	150.4	125.5	107.3	51.2
6	6 POPzS 750	454.8	423.9	377.7	311.4	264.6	227.7	199.8	180.5	150.6	128.7	61.5
7	7 POPzS 875	530.6	494.6	440.7	363.3	308.7	265.7	233.1	210.5	175.7	150.2	71.8
8	8 POPzS 1000	606.4	565.2	503.6	415.2	352.8	303.6	266.4	240.6	200.8	171.6	82.0



	<p>Head quarter BATER Ltd ul. Dźwigowa 63. 01-376 Warszawa tel.: +48 22 664 87 87 fax: +48 22 664 87 87 e-mail: biuro@bater.pl www.bater.pl</p> <p>Mechanical factory ul. Dźwigowa 63. 01-376 Warszawa tel.: +48 22 664 87 87 w.41 fax: +48 22 664 87 87 GPS 52°13.07N. 20°54.86E</p>
	<p>Battery factory Bater Gliwice ul. Pszczyńska 309. 44-100 Gliwice tel.: +48 32 232 12 40 fax: +48 32 232 12 40 w. 29 e-mail: biuro@bater.pl GPS 50°16.14N. 18°43.19E</p>