



Performance Data  
YAP, YCP & YHP Cells

March 2006

CONSTANT CURRENT (20°C)

DISCHARGE CURRENT (Amperes) at 20°C to 1.70 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	34.5	26.8	22.8	15.5	10.0	6.2	4.6	3.6	3.0	2.5	2.3	2.0	1.8	1.7
YAP 9	69.1	53.6	45.8	31.1	20.1	12.4	9.1	7.2	5.9	5.1	4.6	4.1	3.7	3.4
YAP13	103.6	80.4	68.4	46.6	30.1	18.6	13.7	10.7	8.9	7.6	6.8	6.1	5.5	5.1
YAP17	138.2	107.2	91.0	62.2	40.1	24.8	18.3	14.3	11.8	10.2	9.1	8.2	7.4	6.7
YAP21	172.7	134.0	114.0	77.7	50.1	31.0	22.9	17.9	14.8	12.7	11.4	10.2	9.2	8.4
YCP 9	190.1	159.4	136.2	99.2	66.9	41.1	30.5	23.7	19.7	17.0	15.1	13.5	12.2	11.2
YCP11	237.7	199.3	174.8	124.0	83.6	51.4	38.1	29.6	24.6	21.2	18.9	16.9	15.3	14.0
YCP13	285.2	239.1	209.5	148.7	100.3	61.7	45.7	35.6	29.6	25.5	22.6	20.3	18.3	16.8
YCP17	380.3	318.9	279.0	198.3	133.7	82.2	61.0	47.4	39.4	34.0	30.2	27.1	24.4	22.4
YCP21	475.4	398.6	349.2	247.9	167.1	102.8	76.2	59.3	49.3	42.5	37.7	33.8	30.6	27.9
YCP25	570.4	478.3	417.1	297.5	200.6	123.4	91.4	71.1	59.1	51.0	45.3	40.6	36.7	33.5
YCP27	618.0	518.1	454.0	322.3	217.3	133.6	99.1	77.1	64.0	55.2	49.0	44.0	39.7	36.3
YCP29	665.5	558.0	489.0	347.1	234.0	143.9	106.7	83.0	69.0	59.5	52.8	47.3	42.8	39.1
YCP33	760.6	637.7	558.5	396.7	267.4	164.5	121.9	94.9	78.8	68.0	60.3	54.1	48.9	44.7
YCP35	808.1	677.6	593.0	421.4	284.1	174.8	129.5	100.8	83.7	72.2	64.1	57.5	51.9	47.5
YHP11	690.8	609.6	556.7	450.6	334.3	207.7	156.1	122.8	102.2	87.8	77.3	68.7	61.7	55.8
YHP13	829.0	731.5	668.3	540.7	401.1	249.2	187.3	147.3	122.6	105.4	92.7	82.5	74.0	66.9
YHP15	967.2	853.4	780.0	630.8	468.0	290.7	218.5	171.9	143.1	122.9	108.2	96.2	86.4	78.1
YHP17	1105.4	975.3	891.1	720.9	534.8	332.3	249.7	196.4	163.5	140.5	123.6	109.9	98.7	89.2
YHP19	1243.5	1097.2	1002.0	811.0	601.7	373.8	280.9	221.0	184.0	158.1	139.1	123.7	111.0	100.4
YHP21	1381.7	1219.1	1114.0	901.1	668.6	415.3	312.1	245.6	204.4	175.6	154.6	137.4	123.4	111.5
YHP23	1519.9	1341.1	1225.3	991.2	735.4	456.9	343.3	270.1	224.8	193.2	170.0	151.2	135.7	122.7
YHP25	1658.0	1463.0	1337.0	1081.3	802.3	498.4	374.6	294.7	245.3	210.8	185.5	164.9	148.0	133.9
YHP27	1796.2	1584.9	1444.2	1171.4	869.1	539.9	405.8	319.2	265.7	228.3	200.9	178.7	160.4	145.0
YHP29	1934.4	1706.8	1559.2	1261.5	936.0	581.5	437.0	343.8	286.1	245.9	216.4	192.4	172.7	156.2
YHP31	2072.5	1828.7	1671.4	1351.7	1002.8	623.0	468.2	368.3	306.6	263.5	231.8	206.2	185.0	167.3
YHP33	2210.7	1950.6	1781.8	1441.8	1069.7	664.5	499.4	392.9	327.0	281.0	247.3	219.9	197.4	178.5
YHP35	2348.9	2072.5	1893.5	1531.9	1136.6	706.1	530.6	417.5	347.5	298.6	262.7	233.6	209.7	189.6
YHP37	2487.0	2194.5	2005.1	1622.0	1203.4	747.6	561.8	442.0	367.9	316.1	278.2	247.4	222.1	200.8
YHP39	2625.2	2316.4	2116.3	1712.1	1270.3	789.1	593.0	466.6	388.3	333.7	293.6	261.1	234.4	211.9
YHP41	2763.4	2438.3	2218.4	1802.2	1337.1	830.7	624.3	491.1	408.8	351.3	309.1	274.9	246.7	223.1

DISCHARGE CURRENT (Amperes) at 20°C to 1.73 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	31.1	24.9	21.2	14.4	9.6	6.0	4.0	3.5	2.9	2.5	2.2	2.0	1.8	1.7
YAP 9	62.2	49.7	42.4	28.8	19.2	12.0	8.1	7.0	5.8	5.0	4.5	4.0	3.6	3.3
YAP13	93.3	74.6	63.7	43.2	28.8	17.9	12.1	10.6	8.7	7.5	6.7	6.0	5.5	5.0
YAP17	124.4	99.5	84.9	57.6	38.4	23.9	16.2	14.1	11.6	10.0	8.9	8.1	7.3	6.6
YAP21	155.4	124.4	106.1	72.0	48.0	29.9	20.2	17.6	14.6	12.5	11.2	10.1	9.1	8.3
YCP 9	171.3	147.0	129.4	92.5	64.6	39.9	29.7	23.4	19.3	16.7	14.8	13.3	12.1	11.0
YCP11	214.1	183.7	161.8	115.7	80.7	49.8	37.1	29.2	24.2	20.9	18.6	16.6	15.1	13.8
YCP13	256.9	220.5	194.1	138.8	96.8	59.8	44.5	35.1	29.0	25.1	22.3	20.0	18.1	16.6
YCP17	342.6	294.0	258.8	185.0	129.1	79.7	59.4	46.8	38.7	33.5	29.7	26.6	24.1	22.1
YCP21	428.2	367.5	323.5	231.3	161.4	99.6	74.2	58.5	48.3	41.9	37.1	33.3	30.2	27.6
YCP25	513.9	441.0	388.2	277.6	193.7	119.6	89.1	70.2	58.0	50.2	44.5	40.0	36.2	33.1
YCP27	556.7	477.7	420.6	300.7	209.8	129.5	96.5	76.0	62.8	54.4	48.3	43.3	39.2	35.9
YCP29	599.5	514.5	452.9	323.8	226.0	139.5	103.9	81.9	67.7	58.6	52.0	46.6	42.2	38.6
YCP33	685.1	588.0	517.6	370.1	258.3	159.4	118.8	93.6	77.3	67.0	59.4	53.3	48.3	44.1
YCP35	728.0	624.7	550.0	393.2	274.4	169.4	126.2	99.4	82.2	71.1	63.1	56.6	51.3	46.9
YHP11	609.6	545.4	504.0	408.0	317.9	203.2	152.4	120.5	100.2	86.4	76.1	67.6	61.0	55.2
YHP13	731.5	654.5	604.8	489.6	381.4	243.8	182.9	144.6	120.3	103.6	91.3	81.1	73.1	66.2
YHP15	853.4	763.6	705.6	571.2	445.0	284.5	213.3	168.7	140.3	120.9	106.5	94.6	85.3	77.3
YHP17	975.3	872.6	806.4	652.8	508.6	325.1	243.8	192.8	160.4	138.2	121.7	108.1	97.5	88.3
YHP19	1097.2	981.7	907.2	734.4	572.2	365.7	274.3	216.9	180.4	155.4	137.0	121.6	109.7	99.3
YHP21	1219.1	1090.8	1008.0	816.0	635.7	406.4	304.8	241.0	200.4	172.7	152.2	135.1	121.9	110.4
YHP23	1341.1	1199.9	1108.8	897.6	699.3	447.0	335.3	265.1	220.5	190.0	167.4	148.6	134.1	121.4
YHP25	1463.0	1309.0	1209.6	979.2	762.9	487.7	365.7	289.2	240.5	207.3	182.6	162.1	146.3	132.4
YHP27	1584.9	1418.1	1310.4	1060.7	826.5	528.3	396.2	313.3	260.6	224.5	197.8	175.6	158.5	143.5
YHP29	1706.8	1527.1	1411.2	1142.3	890.0	568.9	426.7	337.4	280.6	241.8	213.0	189.1	170.7	154.5
YHP31	1828.7	1636.2	1512.0	1223.9	953.6	609.6	457.2	361.5	300.7	259.1	228.3	202.7	182.9	165.5
YHP33	1950.6	1745.3	1612.8	1305.5	1017.2	650.2	487.7	385.6	320.7	276.3	243.5	216.2	195.1	176.6
YHP35	2072.5	1854.4	1713.6	1387.1	1080.8	690.8	518.1	409.7	340.7	293.6	258.7	229.7	207.3	187.6
YHP37	2194.5	1963.5	1814.4	1468.7	1144.3	731.5	548.6	433.8	360.8	310.9	273.9	243.2	219.4	198.6
YHP39	2316.4	2072.5	1915.2	1550.3	1207.9	772.1	579.1	457.9	380.8	328.2	289.1	256.7	231.6	209.7
YHP41	2438.3	2181.6	2016.0	1631.9	1271.5	812.8	609.6	482.0	400.9	345.4	304.3	270.2	243.8	220.7

DISCHARGE CURRENT (Amperes) at 20°C to 1.75 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	29.3	23.9	20.4	13.7	9.3	5.8	4.4	3.5	2.9	2.5	2.2	2.0	1.8	1.7
YAP 9	58.7	47.8	41.1	27.4	18.6	11.6	8.8	6.9	5.8	5.0	4.4	4.0	3.6	3.3
YAP13	88.0	71.7	60.0	41.1	28.0	17.4	13.2	10.4	8.6	7.4	6.6	6.0	5.4	5.0
YAP17	117.3	95.7	80.2	54.8	37.3	23.2	17.7	13.8	11.5	9.9	8.9	8.0	7.2	6.6
YAP21	146.6	119.6	101.2	68.5	46.6	29.0	22.1	17.3	14.4	12.4	11.1	10.0	9.0	8.3
YCP 9	159.4	137.3	122.4	87.8	62.2	38.8	29.4	23.0	19.2	16.6	14.8	13.3	12.0	11.0
YCP11	199.3	171.6	153.6	109.8	77.7	48.5	36.8	28.8	24.0	20.7	18.5	16.6	15.0	13.7
YCP13	239.1	205.9	184.7	131.7	93.2	58.2	44.2	34.5	28.8	24.9	22.1	19.9	17.9	16.5
YCP17	318.9	274.5	246.4	175.6	124.3	77.6	58.9	46.1	38.3	33.2	29.5	26.5	23.9	22.0
YCP21	398.6	343.1	306.5	219.5	155.4	97.0	73.6	57.6	47.9	41.5	36.9	33.1	29.9	27.4
YCP25	478.3	411.8	368.2	263.5	186.5	116.4	88.3	69.1	57.5	49.7	44.3	39.8	35.9	32.9
YCP27	518.1	446.1	398.7	285.4	202.0	126.1	95.7	74.8	62.3	53.9	48.0	43.1	38.9	35.7
YCP29	558.0	480.4	428.3	307.4	217.6	135.8	103.0	80.6	67.1	58.0	51.7	46.4	41.9	38.4
YCP33	637.7	549.0	489.5	351.3	248.7	155.2	117.8	92.1	76.7	66.3	59.0	53.0	47.9	43.9
YCP35	677.6	583.3	521.1	373.2	264.2	164.9	125.1	97.9	81.5	70.5	62.7	56.3	50.9	46.7
YHP11	557.1	508.0	469.0	383.8	310.8	199.3	146.4	118.8	99.5	85.4	75.1	67.1	60.3	54.8
YHP13	668.6	609.6	562.5	460.6	373.0	239.1	175.6	142.6	119.3	102.4	90.1	80.5	72.4	65.7
YHP15	780.0	711.2	655.2	537.3	435.1	279.0	204.9	166.4	139.2	119.5	105.1	94.0	84.4	76.7
YHP17	891.4	812.8	749.9	614.1	497.3	318.9	234.2	190.1	159.1	136.6	120.1	107.4	96.5	87.6
YHP19	1002.8	914.4	843.9	690.8	559.5	358.7	263.5	213.9	179.0	153.6	135.2	120.8	108.6	98.6
YHP21	1114.3	1016.0	937.5	767.6	621.6	398.6	292.7	237.7	198.9	170.7	150.2	134.2	120.6	109.5
YHP23	1225.7	1117.5	1031.1	844.4	683.8	438.4	322.0	261.4	218.8	187.8	165.2	147.7	132.7	120.5
YHP25	1337.1	1219.1	1124.8	921.1	746.0	478.3	351.3	285.2	238.7	204.9	180.2	161.1	144.8	131.5
YHP27	1448.5	1320.7	1218.3	997.9	808.1	518.1	380.6	309.0	258.6	221.9	195.2	174.5	156.8	142.4
YHP29	1560.0	1422.3	1312.2	1074.6	870.3	558.0	409.8	332.7	278.5	239.0	210.3	187.9	168.9	153.4
YHP31	1671.4	1523.9	1405.0	1151.4	932.5	597.8	439.1	356.5	298.4	256.1	225.3	201.3	181.0	164.3
YHP33	1782.8	1625.5	1499.7	1228.2	994.6	637.7	468.4	380.3	318.2	273.2	240.3	214.8	193.0	175.3
YHP35	1894.3	1727.1	1593.8	1304.9	1056.8	677.6	497.6	404.1	338.1	290.2	255.3	228.2	205.1	186.2
YHP37	2005.7	1828.7	1686.7	1381.7	1118.9	717.4	526.9	427.8	358.0	307.3	270.3	241.6	217.1	197.2
YHP39	2117.1	1930.3	1780.4	1458.5	1181.1	757.3	556.2	451.6	377.9	324.4	285.3	255.0	229.2	208.1
YHP41	2228.5	2031.9	1874.2	1535.2	1243.3	797.1	585.5	475.4	397.8	341.4	300.4	268.5	241.3	219.1

DISCHARGE CURRENT (Amperes) at 20°C to 1.80 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	23.9	19.6	16.6	11.9	8.3	5.4	4.1	3.3	2.8	2.4	2.1	1.9	1.8	1.6
YAP 9	47.8	39.1	33.3	23.7	16.6	10.7	8.2	6.6	5.5	4.8	4.3	3.9	3.5	3.2
YAP13	71.7	58.7	49.9	35.6	24.9	16.1	12.4	9.9	8.3	7.2	6.4	5.8	5.3	4.8
YAP17	95.7	78.2	66.6	47.5	33.2	21.4	16.5	13.2	11.1	9.6	8.6	7.7	7.0	6.4
YAP21	119.6	97.8	83.2	59.3	41.6	26.8	20.6	16.5	13.9	12.0	10.7	9.7	8.8	8.0
YCP 9	128.7	109.1	97.0	73.5	54.3	35.7	27.3	22.0	18.4	16.1	14.2	12.9	11.7	10.7
YCP11	160.9	136.4	121.2	91.9	67.8	44.7	34.2	27.6	23.0	20.1	17.8	16.1	14.6	13.4
YCP13	193.1	163.6	145.4	110.2	81.4	53.6	41.0	33.1	27.7	24.1	21.3	19.3	17.5	16.0
YCP17	257.5	218.2	193.9	147.0	108.5	71.5	54.7	44.1	36.9	32.1	28.4	25.8	23.3	21.4
YCP21	321.8	272.7	242.4	183.7	135.6	89.3	68.4	55.1	46.1	40.2	35.5	32.2	29.2	26.7
YCP25	386.2	327.2	290.9	220.5	162.8	107.2	82.0	66.1	55.3	48.2	42.6	38.7	35.0	32.1
YCP27	418.4	354.5	315.1	238.9	176.3	116.1	88.9	71.7	59.9	52.2	46.2	41.9	37.9	34.8
YCP29	450.6	381.8	339.4	257.2	189.9	125.1	95.7	77.2	64.5	56.2	49.8	45.1	40.8	37.4
YCP33	514.9	436.3	387.8	294.0	217.0	142.9	109.4	88.2	73.8	64.3	56.9	51.6	46.7	42.8
YCP35	547.1	463.6	412.1	312.4	230.6	151.9	116.2	93.7	78.4	68.3	60.4	54.8	49.6	45.5
YHP11	431.8	398.6	373.7	319.8	259.1	181.2	140.0	112.8	95.6	82.6	72.9	65.3	58.9	53.5
YHP13	518.1	478.3	448.4	383.8	310.9	217.4	168.0	135.3	114.7	99.2	87.4	78.4	70.7	64.2
YHP15	604.5	558.0	523.1	447.8	362.7	253.6	196.1	157.9	133.8	115.7	102.0	91.5	82.4	74.9
YHP17	690.8	637.7	597.8	511.7	414.5	289.9	224.1	180.4	153.0	132.2	116.6	104.5	94.2	85.6
YHP19	777.2	717.4	672.6	575.7	466.3	326.1	252.1	203.0	172.1	148.7	131.2	117.6	106.0	96.2
YHP21	863.6	797.1	747.3	639.7	518.1	362.3	280.1	225.5	191.2	165.3	145.7	130.7	117.8	106.9
YHP23	949.9	876.8	822.0	703.6	569.9	398.6	308.1	248.1	210.3	181.8	160.3	143.7	129.5	117.6
YHP25	1036.3	956.6	896.8	767.6	621.8	434.8	336.1	270.6	229.4	198.3	174.9	156.8	141.3	128.3
YHP27	1122.6	1036.3	971.5	831.6	673.6	471.0	364.1	293.2	248.6	214.9	189.5	169.9	153.1	139.0
YHP29	1209.0	1116.0	1046.2	895.5	725.4	507.3	392.1	315.7	267.7	231.4	204.0	182.9	164.9	149.7
YHP31	1295.3	1195.7	1121.0	959.5	777.2	543.5	420.1	338.3	286.8	247.9	218.6	196.0	176.6	160.4
YHP33	1381.7	1275.4	1195.7	1023.5	829.0	579.7	448.1	360.8	305.9	264.4	233.2	209.1	188.4	171.1
YHP35	1468.0	1355.1	1270.4	1087.4	880.8	616.0	476.1	383.4	325.0	281.0	247.8	222.2	200.2	181.8
YHP37	1554.4	1434.8	1345.1	1151.4	932.6	652.2	504.1	405.9	344.1	297.5	262.3	235.2	212.0	192.5
YHP39	1640.8	1514.5	1419.9	1215.4	984.5	688.4	532.1	428.5	363.3	314.0	276.9	248.3	223.7	203.2
YHP41	1727.1	1594.3	1494.6	1279.3	1036.3	724.7	560.1	451.0	382.4	330.5	291.5	261.4	235.5	213.9

DISCHARGE CURRENT (Amperes) at 20°C to 1.85 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	17.3	14.5	12.5	9.4	6.9	4.8	3.7	3.0	2.6	2.3	2.0	1.8	1.7	1.6
YAP 9	34.5	29.1	24.9	18.8	13.9	9.5	7.4	6.0	5.2	4.5	4.0	3.7	3.3	3.1
YAP13	51.8	43.6	37.4	28.3	20.8	14.3	11.1	9.0	7.8	6.8	6.0	5.5	5.0	4.7
YAP17	69.1	58.1	49.8	37.7	27.8	19.1	14.8	12.0	10.3	9.0	8.0	7.3	6.7	6.2
YAP21	86.4	72.6	62.3	47.1	34.7	23.8	18.5	15.1	12.9	11.3	10.1	9.1	8.4	7.8
YCP 9	90.9	79.7	75.8	59.0	45.1	31.4	24.6	20.0	17.1	15.0	13.4	12.2	11.1	10.4
YCP11	113.6	99.6	94.8	73.8	56.3	39.3	30.8	25.0	21.3	18.8	16.7	15.2	13.9	13.0
YCP13	136.4	119.6	113.8	88.6	67.6	47.1	36.9	29.9	25.6	22.5	20.1	18.3	16.7	15.5
YCP17	181.8	159.4	151.7	118.1	90.1	62.8	49.2	39.9	34.1	30.0	26.8	24.4	22.2	20.7
YCP21	227.3	199.3	189.6	147.6	112.6	78.5	61.5	49.9	42.7	37.5	33.5	30.5	27.8	25.9
YCP25	272.7	239.1	227.5	177.1	135.2	94.2	73.8	59.9	51.2	45.1	40.2	36.6	33.3	31.1
YCP27	295.4	259.1	246.5	191.9	146.4	102.1	80.0	64.9	55.5	48.8	43.5	39.6	36.1	33.7
YCP29	318.2	279.0	265.4	206.7	157.7	109.9	86.2	69.9	59.8	52.6	46.9	42.7	38.9	36.3
YCP33	363.6	318.9	303.4	236.2	180.2	125.6	98.5	79.9	68.3	60.1	53.6	48.8	44.4	41.5
YCP35	386.3	338.8	322.3	250.9	191.5	133.5	104.6	84.9	72.6	63.8	56.9	51.8	47.2	44.0
YHP11	305.7	295.2	282.1	252.7	208.1	156.1	123.1	101.8	87.5	76.3	67.9	61.5	55.7	51.8
YHP13	366.8	354.3	338.5	303.3	249.7	187.3	147.7	122.2	105.0	91.6	81.5	73.8	66.9	62.2
YHP15	428.0	413.3	394.9	353.8	291.3	218.5	172.3	142.5	122.5	106.8	95.1	86.2	78.0	72.5
YHP17	489.1	472.4	451.4	404.4	332.9	249.7	196.9	162.9	140.0	122.1	108.7	98.5	89.1	82.9
YHP19	550.2	531.4	507.8	454.9	374.6	280.9	221.5	183.2	157.5	137.4	122.2	110.8	100.3	93.3
YHP21	611.4	590.5	564.2	505.5	416.2	312.1	246.1	203.6	175.0	152.6	135.8	123.1	111.4	103.6
YHP23	672.5	649.5	620.6	556.0	457.8	343.3	270.8	223.9	192.6	167.9	149.4	135.4	122.6	114.0
YHP25	733.6	708.6	677.0	606.6	499.4	374.6	295.4	244.3	210.1	183.1	163.0	147.7	133.7	124.4
YHP27	794.8	767.6	733.5	657.1	541.0	405.8	320.0	264.7	227.6	198.4	176.6	160.0	144.9	134.7
YHP29	855.9	826.7	789.9	707.7	582.6	437.0	344.6	285.0	245.1	213.7	190.1	172.3	156.0	145.1
YHP31	917.1	885.7	846.3	758.2	624.3	468.2	369.2	305.4	262.6	228.9	203.7	184.6	167.1	155.4
YHP33	978.2	944.7	902.7	808.8	665.9	499.4	393.8	325.7	280.1	244.2	217.3	196.9	178.3	165.8
YHP35	1039.3	1003.8	959.1	859.3	707.5	530.6	418.4	346.1	297.6	259.4	230.9	209.2	189.4	176.2
YHP37	1100.5	1062.8	1015.6	909.9	749.1	561.8	443.1	366.5	315.1	274.7	244.5	221.5	200.6	186.5
YHP39	1161.6	1121.9	1072.0	960.4	790.7	593.0	467.7	386.8	332.6	290.0	258.0	233.8	211.7	196.9
YHP41	1222.7	1180.9	1128.4	1011.0	832.3	624.3	492.3	407.2	350.1	305.2	271.6	246.1	222.9	207.3

DISCHARGE CURRENT (Amperes) at 20°C to 1.90 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	10.2	9.1	8.3	6.9	5.6	4.0	3.1	2.6	2.2	1.9	1.8	1.6	1.5	1.4
YAP 9	20.3	18.3	16.7	13.8	11.1	8.0	6.3	5.2	4.4	3.9	3.5	3.2	3.0	2.8
YAP13	30.5	27.4	25.0	20.7	16.7	12.0	9.4	7.7	6.6	5.8	5.3	4.9	4.6	4.2
YAP17	40.6	36.6	33.4	27.6	22.2	16.0	12.6	10.3	8.9	7.8	7.0	6.5	6.1	5.6
YAP21	50.8	45.7	41.7	34.5	27.8	20.0	15.7	12.9	11.1	9.7	8.8	8.1	7.6	6.9
YCP 9	56.0	52.9	49.9	43.2	34.5	25.8	20.3	16.8	14.7	12.9	11.7	10.8	10.2	9.3
YCP11	70.0	66.1	62.4	54.0	43.2	32.3	25.4	21.1	18.3	16.2	14.7	13.5	12.7	11.6
YCP13	84.0	79.3	74.8	64.8	51.8	38.8	30.5	25.3	22.0	19.4	17.6	16.2	15.2	13.9
YCP17	112.0	105.7	99.8	86.4	69.1	51.7	40.6	33.7	29.4	25.8	23.5	21.6	20.3	18.5
YCP21	140.0	132.2	124.7	107.9	86.4	64.6	50.8	42.1	36.7	32.3	29.4	27.0	25.4	23.1
YCP25	168.0	158.6	149.6	129.5	103.6	77.5	61.0	50.5	44.0	38.8	35.2	32.3	30.5	27.8
YCP27	182.0	171.8	162.1	140.3	112.3	84.0	66.0	54.8	47.7	42.0	38.2	35.0	33.0	30.1
YCP29	196.1	185.0	174.6	151.1	120.9	90.4	71.1	59.0	51.4	45.2	41.1	37.7	35.6	32.4
YCP33	224.1	211.5	199.5	172.7	138.2	103.4	81.3	67.4	58.7	51.7	47.0	43.1	40.6	37.0
YCP35	238.1	224.7	212.0	183.5	146.8	109.8	86.4	71.6	62.4	54.9	49.9	45.8	43.2	39.3
YHP11	211.5	203.2	196.9	178.7	156.1	122.5	98.3	83.3	72.0	63.3	57.6	52.9	50.3	46.3
YHP13	253.8	243.8	236.3	214.4	187.3	147.0	118.0	100.0	86.4	76.0	69.1	63.4	60.4	55.5
YHP15	296.1	284.5	275.7	250.1	218.5	171.5	137.6	116.6	100.7	88.7	80.6	74.0	70.4	64.8
YHP17	338.4	325.1	315.0	285.9	249.7	196.0	157.3	133.3	115.1	101.3	92.1	84.6	80.5	74.0
YHP19	380.7	365.7	354.4	321.6	280.9	220.5	177.0	149.9	129.5	114.0	103.6	95.2	90.5	83.3
YHP21	423.0	406.4	393.8	357.3	312.1	245.0	196.6	166.6	143.9	126.7	115.1	105.7	100.6	92.5
YHP23	465.3	447.0	433.2	393.1	343.3	269.5	216.3	183.3	158.3	139.4	126.7	116.3	110.7	101.8
YHP25	507.6	487.7	472.6	428.8	374.6	294.0	236.0	199.9	172.7	152.0	138.2	126.9	120.7	111.0
YHP27	549.9	528.3	511.9	464.5	405.8	318.5	255.6	216.6	187.1	164.7	149.7	137.5	130.8	120.3
YHP29	592.2	568.9	551.3	500.3	437.0	343.0	275.3	233.2	201.5	177.4	161.2	148.0	140.9	129.5
YHP31	634.5	609.6	590.7	536.0	468.2	367.5	295.0	249.9	215.9	190.0	172.7	158.6	150.9	138.8
YHP33	676.7	650.2	630.1	571.7	499.4	392.0	314.6	266.6	230.3	202.7	184.2	169.2	161.0	148.0
YHP35	719.0	690.8	669.5	607.5	530.6	416.5	334.3	283.2	244.7	215.4	195.7	179.8	171.0	157.3
YHP37	761.3	731.5	708.8	643.2	561.8	441.0	353.9	299.9	259.1	228.0	207.3	190.3	181.1	166.5
YHP39	803.6	772.1	748.2	678.9	593.0	465.5	373.6	316.5	273.5	240.7	218.8	200.9	191.2	175.8
YHP41	845.9	812.8	787.6	714.7	624.3	490.0	393.3	333.2	287.9	253.4	230.3	211.5	201.2	185.0

CONSTANT POWER (20°C)

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.70 volts per cell

CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	61.0	47.4	40.2	28.0	18.2	11.4	8.6	6.7	5.6	4.8	4.3	3.8	3.5	3.2
YAP 9	122.0	94.8	80.4	56.0	36.4	22.8	17.2	13.4	11.1	9.6	8.6	7.7	7.0	6.4
YAP13	183.0	142.2	120.6	84.0	54.6	34.2	25.8	20.0	16.7	14.3	12.8	11.5	10.4	9.5
YAP17	244.0	189.6	160.8	112.0	72.8	45.6	34.4	26.7	22.2	19.1	17.1	15.4	13.9	12.7
YAP21	305.0	237.0	201.0	140.0	91.0	57.0	43.0	33.4	27.8	23.9	21.4	19.2	17.4	15.9
YCP 9	358.0	294.0	246.0	178.0	122.0	75.6	56.8	44.4	36.9	32.0	28.4	25.4	23.0	21.0
YCP11	443.0	366.0	308.0	223.0	153.0	94.5	71.0	55.5	46.2	40.0	35.5	31.8	28.8	26.3
YCP13	526.0	436.0	369.0	267.0	183.0	113.4	85.2	66.6	55.4	48.0	42.5	38.2	34.5	31.6
YCP17	688.0	575.0	492.0	356.0	244.0	151.2	113.6	88.8	73.8	64.0	56.7	50.9	46.0	42.1
YCP21	842.0	712.0	615.0	445.0	305.0	189.0	142.0	111.0	92.3	80.0	70.9	63.6	57.5	52.6
YCP25	990.0	846.0	738.0	534.0	366.0	226.8	170.0	133.2	110.8	96.0	85.1	76.3	69.0	63.1
YCP27	1063.0	912.0	800.0	578.0	396.0	245.7	184.6	144.3	120.0	104.0	92.2	82.7	74.8	68.4
YCP29	1134.0	978.0	861.0	623.0	427.0	264.6	198.8	155.4	129.2	112.0	99.3	89.0	80.5	73.6
YCP33	1272.0	1110.0	984.0	712.0	488.0	302.4	227.2	177.6	147.7	128.0	113.4	101.8	92.0	84.2
YCP35	1336.0	1173.0	1045.0	756.0	518.0	321.3	241.4	188.7	156.9	136.0	120.5	108.1	97.8	89.4
YHP11	1180.0	1055.0	965.0	790.0	600.0	381.5	287.0	227.5	191.0	164.5	144.5	129.0	116.0	105.0
YHP13	1416.0	1266.0	1158.0	948.0	720.0	457.8	344.4	273.0	229.2	197.4	173.4	154.8	139.2	126.0
YHP15	1652.0	1477.0	1351.0	1106.0	840.0	534.0	401.8	318.5	267.4	230.3	202.3	180.6	162.4	147.0
YHP17	1888.0	1688.0	1544.0	1264.0	960.0	610.0	459.2	364.0	305.6	263.2	231.2	206.4	185.6	168.0
YHP19	2124.0	1899.0	1737.0	1422.0	1080.0	687.0	517.0	409.5	343.8	296.1	260.1	232.2	208.8	189.0
YHP21	2360.0	2110.0	1930.0	1580.0	1200.0	763.0	574.0	455.0	382.0	329.0	289.0	258.0	232.0	210.0
YHP23	2596.0	2321.0	2123.0	1738.0	1320.0	839.0	631.0	501.0	420.2	361.9	317.9	283.8	255.2	231.0
YHP25	2832.0	2532.0	2316.0	1896.0	1440.0	916.0	689.0	546.0	458.4	394.8	346.8	309.6	278.4	252.0
YHP27	3068.0	2743.0	2509.0	2054.0	1560.0	992.0	746.0	592.0	496.6	427.7	375.7	335.4	301.6	273.0
YHP29	3304.0	2954.0	2702.0	2212.0	1680.0	1068.0	804.0	637.0	535.0	460.6	404.6	361.2	324.8	294.0
YHP31	3540.0	3165.0	2896.0	2370.0	1800.0	1145.0	861.0	683.0	573.0	493.5	433.5	387.0	348.0	315.0
YHP33	3776.0	3376.0	3088.0	2528.0	1920.0	1221.0	918.0	728.0	611.0	526.0	462.4	412.8	371.2	336.0
YHP35	4012.0	3587.0	3281.0	2686.0	2040.0	1297.0	976.0	774.0	649.0	559.0	491.3	438.6	394.4	357.0
YHP37	4248.0	3798.0	3474.0	2844.0	2160.0	1373.0	1033.0	819.0	688.0	592.0	520.0	464.4	417.6	378.0
YHP39	4484.0	4009.0	3667.0	3002.0	2280.0	1450.0	1091.0	865.0	726.0	625.0	549.0	490.2	440.8	399.0
YHP41	4720.0	4220.0	3860.0	3160.0	2400.0	1526.0	1148.0	910.0	764.0	658.0	578.0	516.0	464.0	420.0

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.73 volts per cell														
CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	55.6	45.2	38.4	26.4	17.8	11.2	8.4	6.6	5.5	4.8	4.4	3.8	3.5	3.2
YAP 9	111.2	90.4	76.8	52.8	35.6	22.4	16.8	13.3	11.0	9.5	8.5	7.6	6.9	6.3
YAP13	166.8	135.6	115.2	79.2	53.4	33.6	25.2	19.9	16.6	14.3	12.7	11.5	10.4	9.5
YAP17	222.4	180.8	153.6	105.6	71.2	44.8	33.6	26.6	22.1	19.0	17.0	15.3	13.8	12.6
YAP21	278.0	226.0	192.0	132.0	89.0	56.0	42.0	33.2	27.6	23.8	21.2	19.1	17.3	15.8
YCP 9	333.0	264.0	234.0	170.0	120.0	74.4	56.0	44.1	36.6	31.7	28.2	25.3	22.9	21.0
YCP11	412.0	330.0	293.0	213.0	150.0	93.0	70.0	55.1	45.8	39.7	35.3	31.7	28.7	26.3
YCP13	490.0	395.0	351.0	255.0	180.0	111.6	84.0	66.1	54.9	47.6	42.3	38.0	34.4	31.5
YCP17	642.0	526.0	468.0	340.0	240.0	148.8	112.0	88.2	73.2	63.4	56.4	50.6	45.8	42.0
YCP21	787.0	656.0	585.0	425.0	300.0	186.0	140.0	110.2	91.5	79.3	70.5	63.0	57.3	52.5
YCP25	924.0	786.0	702.0	510.0	360.0	223.2	168.0	132.2	109.8	95.2	84.6	76.0	68.8	63.0
YCP27	991.0	850.0	760.0	552.0	390.0	241.8	182.0	143.3	119.0	103.1	91.7	82.3	74.5	68.3
YCP29	1057.0	915.0	819.0	595.0	420.0	260.4	196.0	154.3	128.1	111.0	98.7	88.6	80.2	73.5
YCP33	1184.0	1044.0	936.0	680.0	480.0	297.6	224.0	176.3	146.4	126.9	112.8	101.3	91.7	84.0
YCP35	1244.0	1108.0	994.0	722.0	510.0	316.2	238.0	187.3	155.6	134.8	119.9	107.6	97.4	89.3
YHP11	1070.0	960.0	890.0	730.0	580.0	376.0	284.0	226.0	189.5	163.0	143.5	128.0	115.3	104.5
YHP13	1284.0	1152.0	1068.0	876.0	696.0	451.2	348.8	271.2	227.4	195.6	172.2	153.6	138.3	125.4
YHP15	1498.0	1344.0	1246.0	1022.0	812.0	526.0	397.6	316.4	265.3	228.2	200.9	179.2	161.4	146.3
YHP17	1712.0	1536.0	1424.0	1168.0	928.0	602.0	454.4	361.6	303.2	260.8	229.6	204.8	184.4	167.2
YHP19	1926.0	1728.0	1602.0	1314.0	1044.0	677.0	511.0	406.8	341.1	293.4	258.3	230.4	207.5	188.1
YHP21	2140.0	1920.0	1780.0	1460.0	1160.0	752.0	568.0	452.0	379.0	326.0	287.0	256.0	230.5	209.0
YHP23	2354.0	2112.0	1958.0	1606.0	1276.0	827.0	625.0	497.2	416.9	358.6	315.7	281.6	253.6	229.9
YHP25	2568.0	2304.0	2136.0	1752.0	1392.0	902.0	682.0	542.0	454.8	391.2	344.4	307.2	276.6	250.8
YHP27	2782.0	2496.0	2314.0	1898.0	1508.0	978.0	738.0	588.0	492.7	423.8	373.1	332.8	299.7	271.7
YHP29	2996.0	2688.0	2492.0	2044.0	1624.0	1053.0	795.0	633.0	531.0	456.4	401.8	358.4	322.7	292.6
YHP31	3210.0	2880.0	2670.0	2190.0	1740.0	1128.0	852.0	678.0	569.0	489.0	430.5	384.0	345.8	313.5
YHP33	3424.0	3072.0	2848.0	2336.0	1856.0	1230.0	909.0	723.0	606.0	522.0	459.2	409.6	368.8	334.4
YHP35	3638.0	3264.0	3026.0	2482.0	1972.0	1278.0	966.0	768.0	644.0	554.0	487.9	435.2	391.9	355.3
YHP37	3852.0	3456.0	3204.0	2628.0	2088.0	1354.0	1022.0	814.0	682.0	587.0	517.0	460.8	414.9	376.2
YHP39	4066.0	3648.0	3382.0	2774.0	2204.0	1429.0	1079.0	859.0	720.0	619.0	545.0	486.4	438.0	397.1
YHP41	4280.0	3840.0	3560.0	2920.0	2320.0	1504.0	1136.0	904.0	758.0	652.0	574.0	512.0	461.0	418.0

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.75 volts per cell

CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	53.0	43.4	37.0	25.2	17.4	10.9	8.2	6.6	5.5	4.7	4.2	3.8	3.4	3.1
YAP 9	106.0	86.8	74.0	50.4	34.8	21.8	16.4	13.2	11.0	9.5	8.4	7.6	6.9	6.3
YAP13	159.0	130.2	111.0	75.6	52.2	32.6	24.6	19.8	16.4	14.2	12.6	11.4	10.3	9.4
YAP17	212.0	173.6	148.0	100.8	69.6	43.5	32.8	26.4	21.9	19.0	16.8	15.2	13.8	12.6
YAP21	265.0	217.0	185.0	126.0	87.0	54.4	41.0	33.0	27.4	23.7	21.0	19.0	17.2	15.7
YCP 9	288.0	248.0	220.0	160.0	116.0	72.2	55.1	43.8	36.4	31.6	28.0	25.2	22.8	20.9
YCP11	360.0	310.0	275.0	200.0	145.0	90.3	68.9	54.8	45.5	39.5	35.1	31.5	28.5	26.2
YCP13	431.0	372.0	330.0	240.0	174.0	108.3	82.7	65.8	54.5	47.4	42.1	37.8	34.2	31.4
YCP17	574.0	496.0	440.0	320.0	232.0	144.4	110.2	87.7	72.7	63.2	56.1	50.4	45.6	41.8
YCP21	716.0	620.0	550.0	400.0	290.0	180.5	137.8	109.6	90.9	79.0	70.1	63.0	57.0	52.3
YCP25	858.0	744.0	660.0	480.0	348.0	216.6	165.4	131.5	109.1	94.8	84.1	75.6	68.4	62.8
YCP27	928.0	806.0	715.0	520.0	377.0	234.7	179.1	142.5	118.2	102.7	91.1	81.9	74.1	68.0
YCP29	999.0	868.0	770.0	560.0	406.0	252.7	192.9	153.4	127.3	110.6	98.1	88.2	79.8	73.2
YCP33	1139.0	992.0	880.0	640.0	464.0	288.8	220.5	175.4	145.4	126.4	112.2	100.8	91.2	83.7
YCP35	1209.0	1054.0	935.0	680.0	493.0	306.9	234.3	186.3	154.5	134.3	119.2	107.1	96.9	88.9
YHP11	990.0	905.0	835.0	695.0	570.0	370.0	278.5	223.5	188.0	162.0	142.5	127.0	114.5	104.0
YHP13	1188.0	1086.0	1002.0	834.0	684.0	444.0	334.4	268.2	225.6	194.4	171.0	152.4	137.4	124.8
YHP15	1386.0	1267.0	1169.0	973.0	798.0	518.0	389.9	312.9	263.2	226.8	199.5	177.8	160.3	145.6
YHP17	1584.0	1448.0	1336.0	1112.0	912.0	592.0	445.6	357.6	300.8	259.2	228.0	203.2	183.2	166.4
YHP19	1782.0	1629.0	1503.0	1251.0	1026.0	666.0	501.0	402.3	338.4	291.6	256.5	228.6	206.1	187.2
YHP21	1980.0	1810.0	1670.0	1390.0	1140.0	740.0	557.0	447.0	376.0	324.0	285.0	254.0	229.0	208.0
YHP23	2178.0	1991.0	1837.0	1529.0	1254.0	814.0	613.0	491.7	413.6	356.4	313.5	279.4	251.9	228.8
YHP25	2376.0	2172.0	2004.0	1668.0	1368.0	888.0	668.0	536.0	451.2	388.8	342.0	304.8	274.8	249.6
YHP27	2574.0	2353.0	2171.0	1807.0	1482.0	962.0	724.0	581.0	488.8	421.2	370.5	330.2	297.7	270.4
YHP29	2772.0	2534.0	2338.0	1946.0	1596.0	1036.0	780.0	626.0	526.0	453.6	399.0	355.6	320.6	291.2
YHP31	2970.0	2715.0	2505.0	2085.0	1710.0	1110.0	836.0	671.0	564.0	486.0	427.5	381.0	343.5	312.0
YHP33	3168.0	2896.0	2672.0	2224.0	1824.0	1184.0	891.0	715.0	602.0	518.0	456.0	406.4	366.4	332.8
YHP35	3366.0	3077.0	2839.0	2363.0	1938.0	1258.0	947.0	760.0	639.0	551.0	484.5	431.8	389.3	353.6
YHP37	3564.0	3258.0	3006.0	2502.0	2052.0	1332.0	1003.0	805.0	677.0	583.0	513.0	457.2	412.2	374.4
YHP39	3762.0	3439.0	3173.0	2641.0	2166.0	1406.0	1058.0	849.0	714.0	616.0	542.0	482.6	435.1	395.2
YHP41	3960.0	3620.0	3340.0	2780.0	2280.0	1480.0	1114.0	894.0	752.0	648.0	570.0	508.0	458.0	416.0

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.80 volts per cell

CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	43.7	35.7	31.0	22.0	15.7	10.2	7.9	6.3	5.3	4.6	4.1	3.7	3.4	3.1
YAP 9	87.3	71.3	62.0	43.9	31.4	20.4	15.8	12.6	10.6	9.3	8.2	7.4	6.8	6.2
YAP13	131.0	107.0	93.0	65.9	47.1	30.6	23.7	19.0	16.0	13.9	12.4	11.2	10.1	9.2
YAP17	174.6	142.6	124.0	87.8	62.8	40.8	31.6	25.3	21.3	18.6	16.5	14.9	13.5	12.3
YAP21	218.3	178.3	155.0	109.8	78.5	51.0	29.5	31.6	26.6	23.2	20.6	18.6	16.9	15.4
YCP 9	232.9	199.8	176.6	135.5	101.2	68.0	52.0	42.4	35.2	30.8	27.4	24.8	22.4	20.6
YCP11	291.1	249.8	220.7	169.4	126.5	85.0	65.0	53.0	44.0	38.5	34.2	31.0	28.1	25.7
YCP13	349.4	299.7	264.8	203.3	151.8	102.0	78.0	63.6	52.8	46.2	41.0	37.2	33.7	30.8
YCP17	465.8	399.6	353.1	271.0	202.4	136.0	104.0	84.8	70.4	61.6	54.7	49.6	44.9	41.1
YCP21	582.3	499.5	441.4	338.8	253.0	170.0	130.0	106.0	88.0	77.0	68.4	62.0	56.1	51.4
YCP25	698.7	599.4	529.7	406.5	303.6	204.0	156.0	127.2	105.6	92.4	82.1	74.4	67.3	61.7
YCP27	756.9	649.4	573.8	440.4	328.9	221.0	169.0	137.8	114.4	100.1	88.9	80.6	72.9	66.8
YCP29	815.2	699.3	617.9	474.3	354.2	238.0	182.0	148.4	123.2	107.8	95.8	86.8	78.5	72.0
YCP33	931.6	799.2	706.2	542.0	404.8	272.0	208.0	169.6	140.8	123.2	109.4	99.2	89.8	82.2
YCP35	989.8	849.2	750.3	575.9	430.1	289.0	221.0	180.2	149.6	130.9	116.3	105.4	95.4	87.4
YHP11	781.6	719.7	678.7	585.5	478.9	342.0	265.0	216.0	182.0	158.0	139.5	125.0	113.0	102.5
YHP13	937.9	863.6	814.4	702.6	574.7	410.4	318.0	259.2	218.4	189.6	167.4	150.0	135.6	123.0
YHP15	1094.2	1007.6	950.2	819.7	670.5	478.8	371.0	302.4	254.8	221.2	195.3	175.0	158.2	143.5
YHP17	1250.6	1151.5	1085.9	936.8	766.2	547.0	424.0	345.6	291.2	252.8	223.2	200.0	180.8	164.0
YHP19	1406.9	1295.5	1221.7	1053.9	862.0	616.0	477.0	388.8	327.6	284.4	251.1	225.0	203.4	184.5
YHP21	1563.2	1439.4	1357.4	1171.0	957.8	684.0	530.0	432.0	364.0	316.0	279.0	250.0	226.0	205.0
YHP23	1719.5	1583.3	1493.1	1288.1	1053.6	752.0	583.0	475.2	400.4	347.6	306.9	275.0	248.6	225.5
YHP25	1875.8	1727.3	1628.9	1405.2	1149.4	821.0	636.0	518.0	436.8	379.2	334.8	300.0	271.2	246.0
YHP27	2032.2	1871.2	1764.6	1522.3	1245.1	889.0	689.0	562.0	473.2	410.8	362.7	325.0	293.8	266.5
YHP29	2188.5	2015.2	1900.4	1639.4	1340.9	958.0	742.0	605.0	510.0	442.4	390.6	350.0	316.4	287.0
YHP31	2344.8	2159.1	2036.1	1756.5	1436.7	1026.0	795.0	648.0	546.0	474.0	418.5	375.0	339.0	307.5
YHP33	2501.1	2303.0	2171.8	1873.6	1532.5	1094.0	848.0	691.0	582.0	506.0	446.4	400.0	361.6	328.0
YHP35	2657.4	2447.0	2307.6	1990.7	1628.3	1163.0	901.0	734.0	619.0	537.0	474.3	425.0	384.2	348.5
YHP37	2813.8	2590.9	2443.3	2107.8	1724.0	1231.0	954.0	778.0	655.0	569.0	502.0	450.0	406.8	369.0
YHP39	2970.1	2734.9	2579.1	2224.9	1819.8	1300.0	1007.0	821.0	692.0	600.0	530.0	475.0	429.4	389.5
YHP41	3126.4	2878.8	2714.8	2342.0	1915.6	1368.0	1060.0	864.0	728.0	632.0	558.0	500.0	452.0	410.0

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.85 volts per cell

CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	32.1	26.9	23.5	17.8	13.2	9.2	7.1	5.8	5.0	4.4	3.9	3.5	3.2	3.0
YAP 9	64.3	53.7	47.0	35.6	26.4	18.4	14.3	11.6	10.0	8.8	7.8	7.1	6.5	6.0
YAP13	96.4	80.6	70.6	53.4	39.6	27.6	21.4	17.5	15.0	13.1	11.7	10.6	9.7	9.1
YAP17	128.5	107.5	94.1	71.2	52.8	36.8	28.6	23.3	20.0	17.5	15.6	14.2	13.0	12.1
YAP21	160.7	134.4	117.6	89.0	66.0	46.0	35.7	29.1	25.0	21.9	19.5	17.7	16.2	15.1
YCP 9	168.5	148.5	135.3	110.7	85.4	60.0	47.6	38.6	33.0	29.1	25.9	23.6	21.6	20.2
YCP11	210.6	185.6	169.1	138.4	106.7	75.0	59.5	48.2	41.2	36.4	32.4	29.6	27.0	25.2
YCP13	252.8	222.7	202.9	166.1	128.0	90.0	71.4	57.8	49.4	43.6	38.9	35.5	32.3	30.2
YCP17	337.0	296.9	270.6	221.4	170.7	120.0	95.2	77.1	65.9	58.2	51.8	47.3	43.1	40.3
YCP21	421.3	371.2	338.2	276.8	213.4	150.0	119.0	96.4	82.4	72.7	64.8	59.1	53.9	50.4
YCP25	505.5	445.4	405.9	332.2	256.1	180.0	142.8	115.7	98.9	87.2	77.8	70.9	64.7	60.5
YCP27	547.6	482.5	439.7	359.8	277.4	195.0	154.7	125.3	107.1	94.5	84.2	76.8	70.1	65.5
YCP29	589.8	519.6	473.5	387.5	298.8	210.0	166.6	135.0	115.4	101.8	90.7	82.7	75.5	70.6
YCP33	674.0	593.9	541.2	442.9	341.4	240.0	190.4	154.2	131.8	116.3	103.7	94.6	86.2	80.6
YCP35	716.1	631.0	575.0	470.6	362.8	255.0	202.3	163.9	140.1	123.6	110.2	100.5	91.6	85.7
YHP11	564.5	546.7	525.0	471.5	391.4	298.0	236.0	195.5	169.0	147.5	131.5	119.0	108.0	100.5
YHP13	677.4	656.0	629.9	565.8	469.7	357.6	283.2	234.6	202.8	177.0	157.8	142.8	129.6	120.6
YHP15	790.3	765.4	734.9	660.1	547.9	417.2	330.4	273.7	236.6	206.5	184.1	166.6	151.2	140.7
YHP17	903.2	874.7	839.9	754.4	626.2	476.8	377.6	312.8	270.4	236.0	210.4	190.4	172.8	160.8
YHP19	1016.1	984.1	944.9	848.7	704.5	536.0	424.8	351.9	304.2	265.5	236.7	214.2	194.4	180.9
YHP21	1129.0	1093.4	1049.9	943.0	782.8	596.0	472.0	391.0	338.0	295.0	263.0	238.0	216.0	201.0
YHP23	1241.9	1202.7	1154.9	1037.3	861.0	656.0	519.0	430.1	371.8	324.5	289.3	261.8	237.6	221.1
YHP25	1354.8	1312.1	1259.9	1131.6	939.3	715.0	566.0	469.2	405.6	354.0	315.6	285.6	259.2	241.2
YHP27	1467.7	1421.4	1364.9	1225.8	1017.6	775.0	614.0	508.0	439.4	383.5	341.9	309.4	260.8	261.3
YHP29	1580.6	1530.8	1469.9	1320.1	1095.9	834.0	661.0	547.0	473.2	413.0	368.2	333.2	302.4	281.4
YHP31	1693.5	1640.1	1574.9	1414.4	1174.1	894.0	708.0	587.0	507.0	442.5	394.5	357.0	324.0	301.5
YHP33	1806.4	1749.4	1679.8	1508.7	1252.4	954.0	755.0	626.0	541.0	472.0	420.8	380.8	345.6	321.6
YHP35	1919.3	1858.8	1784.8	1603.0	1330.7	1013.0	802.0	665.0	575.0	502.0	447.1	404.6	367.2	341.7
YHP37	2032.2	1968.1	1889.8	1697.3	1409.0	1073.0	850.0	704.0	608.0	531.0	473.4	428.4	388.8	361.8
YHP39	2145.1	2077.5	1994.8	1791.6	1487.2	1132.0	897.0	743.0	642.0	561.0	499.7	452.2	410.4	381.9
YHP41	2258.0	2186.8	2099.8	1885.9	1565.5	1192.0	944.0	782.0	676.0	590.0	526.0	476.0	432.0	402.0

CONSTANT POWER DISCHARGE (Watts per Cell) at 20°C to 1.90 volts per cell

CELL TYPE	STANDBY TIME (Minutes)				STANDBY TIME (Hours)									
	5	10	15	30	1	2	3	4	5	6	7	8	9	10
YAP 5	19.5	17.4	16.0	13.3	10.5	7.8	6.2	5.0	4.3	3.8	3.5	3.2	3.0	2.7
YAP 9	39.0	34.8	31.9	26.5	21.0	15.7	12.3	10.1	8.6	7.6	7.0	6.4	6.0	5.4
YAP13	58.5	52.2	47.9	39.8	31.5	23.5	18.5	15.1	13.0	11.4	10.5	9.5	8.9	8.1
YAP17	78.0	69.6	63.8	53.1	42.0	31.4	24.6	20.2	16.5	14.2	14.0	12.7	11.9	10.8
YAP21	97.5	87.1	79.8	66.4	52.5	39.2	30.8	25.2	21.6	19.0	17.5	15.9	14.9	13.5
YCP 9	107.8	101.2	95.5	82.9	66.7	50.0	39.6	33.0	28.7	25.3	23.0	21.1	19.8	18.0
YCP11	134.8	126.5	119.4	103.7	83.4	62.5	49.6	41.3	35.9	31.6	28.7	26.4	24.7	22.5
YCP13	161.7	151.8	143.3	124.4	100.1	75.0	59.5	49.6	43.1	37.9	34.4	31.6	29.6	27.0
YCP17	215.6	202.4	191.0	165.8	133.4	100.0	79.3	66.1	57.4	50.6	45.9	42.2	39.5	36.0
YCP21	269.5	253.0	238.8	207.3	166.8	125.0	99.1	82.6	71.8	63.2	57.4	52.7	49.4	45.0
YCP25	323.4	303.6	286.5	248.8	200.1	150.0	118.9	99.1	86.2	75.8	68.9	63.2	59.3	54.0
YCP27	350.4	328.9	310.4	269.5	216.8	162.5	128.8	107.4	93.3	82.2	74.6	68.5	64.2	58.5
YCP29	377.3	354.2	334.3	290.2	233.5	175.0	138.7	115.6	100.5	88.5	80.4	73.8	69.2	63.0
YCP33	431.2	404.8	382.0	331.7	266.8	200.0	158.6	132.2	114.9	101.1	91.8	84.3	79.0	72.0
YCP35	458.2	430.1	405.9	352.4	283.5	212.5	168.5	140.4	122.1	107.4	97.6	89.6	84.0	76.5
YHP11	401.4	385.6	375.2	341.8	298.0	236.5	192.5	162.0	140.5	124.0	112.5	103.0	96.5	87.5
YHP13	481.7	462.7	450.2	410.2	357.6	283.8	231.0	194.4	168.6	148.8	135.0	123.6	115.8	105.0
YHP15	562.0	539.8	525.3	478.5	417.2	331.1	269.5	226.8	196.7	173.6	157.5	144.2	135.1	122.5
YHP17	642.2	616.9	600.3	546.9	476.8	378.4	308.0	259.2	224.8	198.4	180.0	164.8	154.4	140.0
YHP19	722.5	694.1	675.4	615.2	536.4	425.7	346.5	291.6	252.9	223.2	202.5	185.4	173.7	157.5
YHP21	802.8	771.2	750.4	683.6	596.0	473.0	385.0	324.0	281.0	248.0	225.0	206.0	193.0	175.0
YHP23	883.1	848.3	825.4	752.0	655.6	520.3	423.5	356.4	309.1	272.8	247.5	226.6	212.3	192.5
YHP25	963.4	925.4	900.5	820.3	715.2	567.6	462.0	388.8	337.2	297.6	270.0	247.2	231.6	210.0
YHP27	1043.6	1002.5	975.5	888.7	774.8	614.9	500.5	421.2	365.3	322.4	292.5	267.8	250.9	227.5
YHP29	1123.9	1079.7	1050.6	957.0	834.4	662.2	539.0	453.6	393.4	347.2	315.0	288.4	270.2	245.0
YHP31	1204.2	1156.8	1125.6	1025.4	894.0	709.5	577.5	486.0	421.5	372.0	337.5	309.0	289.5	262.5
YHP33	1284.5	1233.9	1200.6	1093.8	953.6	756.8	616.0	518.4	449.6	396.8	360.0	329.6	308.8	280.0
YHP35	1364.8	1311.0	1275.7	1162.1	1013.2	804.1	654.5	550.8	477.7	421.6	382.5	350.2	328.1	297.5
YHP37	1445.0	1388.1	1350.7	1230.5	1072.8	851.4	693.0	583.2	505.8	446.4	405.0	370.8	347.4	315.0
YHP39	1525.3	1465.2	1425.8	1298.8	1132.4	898.7	731.5	615.6	533.9	471.2	427.5	391.4	366.7	332.5
YHP41	1605.6	1542.4	1500.8	1367.2	1192.0	946.0	770.0	648.0	562.0	496.0	450.0	412.0	386.0	350.0