

EnerSys®

Power/Full Solutions



PowerSafe®
SBS 

Performance Data

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.60Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	269.9	173.4	130.9	106.2	89.8	78.2	69.5	62.6	57.1	45.4	25.6	18.1	14.1	11.6	9.96	8.70	7.73	6.94	6.31	3.41
SBS B14F	269.9	173.4	130.9	106.2	89.8	78.2	69.5	62.6	57.1	45.4	25.6	18.1	14.1	11.6	9.96	8.70	7.73	6.94	6.31	3.41
SBS C11	357.6	243.5	188.2	153.8	130.7	114.0	101.1	90.9	82.7	65.5	36.7	25.8	20.2	16.7	14.3	12.6	11.2	10.2	9.36	5.26
SBS C11F	357.6	243.5	188.2	153.8	130.7	114.0	101.1	90.9	82.7	65.5	36.7	25.8	20.2	16.7	14.3	12.6	11.2	10.2	9.36	5.26
SBS 100	412.9	279.5	217.2	178.9	152.1	133.1	118.1	106.8	97.5	77.3	43.4	30.6	23.8	19.5	16.6	14.4	12.8	11.6	10.6	5.76
SBS 100F	412.9	279.5	217.2	178.9	152.1	133.1	118.1	106.8	97.5	77.3	43.4	30.6	23.8	19.5	16.6	14.4	12.8	11.6	10.6	5.76
SBS 150F	482.1	345.5	275.1	230.9	200.5	177.8	160.4	146.1	133.7	108.1	61.9	44.2	34.7	28.7	24.6	21.5	19.2	17.3	15.7	8.39
SBS 170F	595.2	423.2	333.1	276.5	237.2	208.6	186.6	169.2	155.0	124.7	71.5	50.8	39.5	32.4	27.6	24.1	21.4	19.3	17.6	9.55
SBS 190F	652.9	476.8	380.0	315.5	271.0	238.2	212.7	192.6	176.1	141.0	80.1	56.8	44.1	36.3	30.8	26.9	23.9	21.6	19.6	10.6
SBS 410	1148	806.0	650.0	547.0	453.0	397.0	351.0	320.0	290.0	310.7	178.5	126.2	97.9	80.1	68.1	59.3	51.8	47.9	41.8	21.7
SBS 320	456.8	415.5	382.4	354.9	330.9	309.9	290.5	272.7	256.4	216.7	128.2	91.4	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	571.0	519.3	478.0	443.7	413.6	387.4	363.2	340.9	320.5	270.9	160.3	114.3	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	685.2	623.2	573.6	532.4	496.3	464.9	435.8	409.1	384.7	325.1	192.3	137.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	719.9	719.9	693.1	643.4	599.7	561.8	526.6	494.4	464.8	392.8	232.4	165.7	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	719.9	719.9	719.9	719.9	703.1	658.7	617.4	579.6	545.0	460.5	272.5	194.3	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	719.9	719.9	719.9	719.9	708.2	664.9	625.1	528.2	312.6	222.8	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	719.9	719.9	719.9	719.9	719.9	609.4	360.7	257.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Discharge Currents (Amperes) to 1.63Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	269.9	173.4	130.9	106.2	89.8	78.2	69.5	62.6	57.1	45.4	25.6	18.1	14.1	11.6	9.96	8.70	7.73	6.94	6.31	3.41
SBS B14F	269.9	173.4	130.9	106.2	89.8	78.2	69.5	62.6	57.1	45.4	25.6	18.1	14.1	11.6	9.96	8.70	7.73	6.94	6.31	3.41
SBS C11	346.1	238.2	184.9	151.7	129.3	112.8	100.1	90.2	82.1	65.0	36.6	25.8	20.1	16.7	14.3	12.5	11.2	10.2	9.34	5.25
SBS C11F	346.1	238.2	184.9	151.7	129.3	112.8	100.1	90.2	82.1	65.0	36.6	25.8	20.1	16.7	14.3	12.5	11.2	10.2	9.34	5.25
SBS 100	396.5	273.0	214.0	176.6	150.6	132.0	117.4	106.1	96.9	76.9	43.2	30.5	23.7	19.4	16.5	14.4	12.8	11.5	10.5	5.74
SBS 100F	396.5	273.0	214.0	176.6	150.6	132.0	117.4	106.1	96.9	76.9	43.2	30.5	23.7	19.4	16.5	14.4	12.8	11.5	10.5	5.74
SBS 150F	482.1	345.5	275.1	230.9	200.5	177.8	160.4	146.1	133.7	108.1	61.9	44.2	34.7	28.7	24.6	21.5	19.2	17.3	15.7	8.39
SBS 170F	575.8	415.1	330.1	274.9	236.6	208.5	186.6	169.2	155.0	124.7	71.5	50.8	39.5	32.4	27.6	24.1	21.4	19.3	17.6	9.55
SBS 190F	628.9	465.0	372.4	310.5	267.5	235.6	210.8	191.1	174.9	140.2	79.9	56.8	44.1	36.3	30.8	26.9	23.9	21.6	19.6	10.6
SBS 410	1123	800.0	640.0	539.0	450.0	396.0	354.0	318.0	290.0	305.9	178.0	126.2	97.9	80.1	68.1	59.3	51.8	47.9	41.8	21.4
SBS 320	431.8	394.7	364.6	339.1	317.3	298.1	280.6	264.3	249.5	212.2	128.2	91.4	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	539.7	493.3	455.7	423.9	396.7	372.6	350.8	330.4	311.9	265.3	160.3	114.3	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	647.7	592.0	546.9	508.7	476.0	447.2	421.0	396.5	374.3	318.3	192.3	137.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	719.9	715.3	660.8	614.7	575.2	540.3	508.7	479.2	452.3	384.7	232.4	165.7	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	719.9	719.9	719.9	719.9	674.4	633.5	596.4	561.8	530.3	451.0	272.5	194.3	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	719.9	719.9	719.9	719.9	684.1	644.4	608.3	517.3	312.6	222.8	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	719.9	719.7	719.7	719.6	701.7	596.8	360.7	257.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Discharge Currents (Amperes) to 1.65Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	256.1	168.2	128.5	104.7	88.9	77.5	68.9	62.2	56.7	45.1	25.4	18.0	14.0	11.6	9.91	8.66	7.69	6.91	6.28	3.40
SBS B14F	256.1	168.2	128.5	104.7	88.9	77.5	68.9	62.2	56.7	45.1	25.4	18.0	14.0	11.6	9.91	8.66	7.69	6.91	6.28	3.40
SBS C11	337.3	234.2	182.4	150.0	128.0	111.8	99.3	89.5	81.5	64.7	36.4	25.7	20.1	16.6	14.2	12.5	11.2	10.1	9.33	5.24
SBS C11F	337.3	234.2	182.4	150.0	128.0	111.8	99.3	89.5	81.5	64.7	36.4	25.7	20.1	16.6	14.2	12.5	11.2	10.1	9.33	5.24
SBS 100	383.7	267.8	211.0	174.6	149.2	130.9	116.5	105.4	96.3	76.4	43.0	30.3	23.5	19.3	16.4	14.3	12.7	11.5	10.5	5.71
SBS 100F	383.7	267.8	211.0	174.6	149.2	130.9	116.5	105.4	96.3	76.4	43.0	30.3	23.5	19.3	16.4	14.3	12.7	11.5	10.5	5.71
SBS 150F	474.9	342.1	272.3	228.8	199.0	176.7	159.6	145.5	133.3	107.9	61.9	44.2	34.7	28.7	24.6	21.5	19.2	17.3	15.7	8.39
SBS 170F	559.5	407.5	325.9	272.4	235.2	207.5	186.1	169.0	155.0	124.7	71.5	50.8	39.5	32.4	27.6	24.1	21.4	19.3	17.6	9.54
SBS 190F	610.3	455.7	366.4	306.3	264.6	233.3	209.0	189.6	173.7	139.5	79.7	56.6	44.0	36.2	30.8	26.9	23.9	21.5	19.6	10.6
SBS 410	1105	800.0	633.0	532.0	449.0	395.0	354.0	318.0	290.0	300.8	176.9	126.0	97.9	80.1	68.0	59.2	51.8	47.8	41.8	21.2
SBS 320	414.9	380.6	352.4	328.7	307.8	289.7	273.3	258.2	244.2	208.6	128.2	91.4	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	518.6	475.7	440.6	410.9	384.8	362.1	341.7	322.8	305.3	260.8	160.3	114.3	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	622.4	570.9	528.7	493.0	461.8	434.5	410.0	387.4	366.3	313.0	192.3	137.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	719.9	689.8	638.9	595.8	558.0	525.1	495.4	468.1	442.7	378.2	232.4	165.7	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	719.9	719.9	719.9	698.5	654.2	615.6	580.9	548.8	519.0	443.4	272.5	194.3	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	719.9	719.9	719.9	706.2	666.3	629.6	595.3	508.6	312.6	222.8	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	719.9	719.7	719.7	719.6	686.8	586.8	360.7	257.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.67Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	248.0	165.0	126.8	103.6	88.0	76.9	68.4	61.8	56.4	44.9	25.4	17.9	14.0	11.5	9.89	8.64	7.67	6.89	6.27	3.39
SBS B14F	248.0	165.0	126.8	103.6	88.0	76.9	68.4	61.8	56.4	44.9	25.4	17.9	14.0	11.5	9.89	8.64	7.67	6.89	6.27	3.39
SBS C11	328.2	229.7	179.7	148.2	126.7	110.7	98.5	88.8	81.0	64.3	36.3	25.7	20.1	16.6	14.2	12.5	11.2	10.1	9.32	5.24
SBS C11F	328.2	229.7	179.7	148.2	126.7	110.7	98.5	88.8	81.0	64.3	36.3	25.7	20.1	16.6	14.2	12.5	11.2	10.1	9.32	5.24
SBS 100	370.2	261.9	207.5	172.2	147.5	129.5	115.4	104.4	95.5	75.9	42.7	30.2	23.4	19.2	16.4	14.3	12.7	11.4	10.4	5.69
SBS 100F	370.2	261.9	207.5	172.2	147.5	129.5	115.4	104.4	95.5	75.9	42.7	30.2	23.4	19.2	16.4	14.3	12.7	11.4	10.4	5.69
SBS 150F	466.7	335.8	268.6	226.6	197.5	175.6	158.8	144.8	132.8	107.7	61.9	44.2	34.7	28.7	24.6	21.5	19.2	17.3	15.7	8.39
SBS 170F	540.5	398.3	320.0	268.8	232.7	205.7	184.8	168.0	154.2	124.2	71.5	50.8	39.2	32.2	27.4	23.9	21.3	19.2	17.5	9.51
SBS 190F	590.3	445.1	359.3	301.5	261.0	230.5	206.8	187.8	172.1	138.5	79.4	56.4	43.9	36.1	30.7	26.8	23.8	21.5	19.6	10.6
SBS 410	1080	788.0	621.0	522.0	447.0	392.0	355.0	318.0	289.0	294.3	175.3	125.5	97.8	80.1	67.6	58.9	51.8	47.6	41.8	21.0
SBS 320	397.8	366.1	339.7	317.5	298.3	281.0	265.7	251.7	238.5	204.7	128.2	91.4	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	497.3	457.7	424.6	396.8	372.8	351.3	332.1	314.6	298.1	255.9	160.3	114.3	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	596.7	549.2	509.6	476.2	447.4	421.6	398.5	377.5	357.7	307.1	192.3	137.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	719.9	663.7	615.7	575.4	540.6	509.4	481.6	456.2	432.3	371.1	232.4	165.7	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	719.9	719.9	719.9	674.6	633.9	597.2	564.6	534.8	506.8	435.1	272.5	194.3	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	719.9	719.8	719.8	685.1	647.6	613.5	581.4	499.1	312.6	222.8	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	719.9	719.7	719.6	707.7	670.6	575.8	360.7	257.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Discharge Currents (Amperes) to 1.70Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	237.3	160.3	124.0	101.7	86.6	75.8	67.5	61.0	55.7	44.5	25.2	17.8	13.9	11.5	9.85	8.61	7.64	6.87	6.25	3.38
SBS B14F	237.3	160.3	124.0	101.7	86.6	75.8	67.5	61.0	55.7	44.5	25.2	17.8	13.9	11.5	9.85	8.61	7.64	6.87	6.25	3.38
SBS C11	314.3	222.8	175.1	145.0	124.3	108.8	97.0	87.6	79.9	63.7	36.1	25.6	20.0	16.5	14.2	12.5	11.1	10.1	9.30	5.23
SBS C11F	314.3	222.8	175.1	145.0	124.3	108.8	97.0	87.6	79.9	63.7	36.1	25.6	20.0	16.5	14.2	12.5	11.1	10.1	9.30	5.23
SBS 100	347.7	252.2	201.5	167.8	144.3	126.9	113.4	102.7	94.0	74.9	42.3	29.9	23.2	19.1	16.2	14.1	12.6	11.3	10.4	5.66
SBS 100F	347.7	252.2	201.5	167.8	144.3	126.9	113.4	102.7	94.0	74.9	42.3	29.9	23.2	19.1	16.2	14.1	12.6	11.3	10.4	5.66
SBS 150F	445.2	325.7	263.0	223.0	194.8	173.7	157.3	143.6	131.8	107.2	61.8	44.2	34.7	28.7	24.6	21.5	19.2	17.3	15.7	8.39
SBS 170F	506.3	380.6	309.1	261.3	227.4	201.7	181.7	165.5	152.2	122.8	70.6	50.1	38.9	32.0	27.2	23.8	21.1	19.0	17.4	9.46
SBS 190F	557.2	427.2	346.8	293.1	254.5	225.5	202.8	185.4	169.4	136.7	78.7	56.0	43.6	35.9	30.5	26.7	23.7	21.4	19.5	10.6
SBS 410	1062	772.0	614.0	518.0	448.0	390.0	353.0	316.0	289.0	282.2	171.7	124.2	97.3	79.9	67.0	58.3	51.7	47.1	41.7	20.7
SBS 320	371.1	343.9	320.5	300.2	282.9	267.2	253.4	240.7	229.1	198.0	127.3	91.4	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	463.9	429.9	400.6	375.3	353.6	334.1	316.8	300.9	286.4	247.5	159.1	114.3	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	556.7	515.9	480.7	450.4	424.3	400.9	380.2	361.1	343.6	297.0	190.9	137.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	672.7	623.4	580.9	544.2	512.7	484.4	459.4	436.4	415.2	358.9	230.7	165.7	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	719.9	719.9	681.1	638.0	601.2	568.0	538.6	511.6	486.8	420.8	270.5	194.3	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	719.9	719.8	689.6	651.5	617.8	586.9	558.5	482.7	310.3	222.8	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	719.9	719.7	712.6	677.0	644.2	556.8	358.0	257.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Discharge Currents (Amperes) to 1.75Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	218.3	151.4	118.3	97.6	83.5	73.3	65.5	59.3	54.3	43.5	24.8	17.6	13.8	11.4	9.79	8.56	7.61	6.84	6.22	3.37
SBS B14F	218.3	151.4	118.3	97.6	83.5	73.3	65.5	59.3	54.3	43.5	24.8	17.6	13.8	11.4	9.79	8.56	7.61	6.84	6.22	3.37
SBS C11	289.2	210.5	166.8	139.0	119.8	105.2	94.1	85.2	77.9	62.4	35.7	25.4	19.9	16.5	14.1	12.4	11.1	10.1	9.26	5.21
SBS C11F	289.2	210.5	166.8	139.0	119.8	105.2	94.1	85.2	77.9	62.4	35.7	25.4	19.9	16.5	14.1	12.4	11.1	10.1	9.26	5.21
SBS 100	312.1	234.4	189.8	159.0	137.8	121.4	108.9	99.0	90.7	72.7	41.5	29.4	22.9	18.8	16.0	13.9	12.4	11.2	10.2	5.62
SBS 100F	312.1	234.4	189.8	159.0	137.8	121.4	108.9	99.0	90.7	72.7	41.5	29.4	22.9	18.8	16.0	13.9	12.4	11.2	10.2	5.62
SBS 150F	400.1	305.5	251.1	214.6	188.5	168.8	153.3	140.2	128.9	105.3	60.8	43.6	34.3	28.4	24.3	21.3	18.9	17.1	15.6	8.34
SBS 170F	442.4	345.1	285.7	245.2	215.6	192.7	174.6	159.7	147.2	119.6	69.2	49.2	38.3	31.5	26.9	23.5	20.9	18.8	17.2	9.37
SBS 190F	502.1	393.4	322.9	276.1	241.5	215.4	194.6	177.5	163.5	132.7	77.3	55.2	43.1	35.5	30.2	26.4	23.5	21.1	19.3	10.5
SBS 410	986.0	731.0	581.0	492.0	421.0	381.0	333.0	300.0	275.0	256.6	163.2	120.5	95.5	79.0	65.1	56.6	51.5	45.8	41.4	20.0
SBS 320	318.1	305.3	286.5	270.1	255.5	243.0	231.2	220.4	210.3	184.2	121.9	90.7	71.5	59.0	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	397.7	381.7	358.2	337.7	319.4	303.7	289.0	275.6	262.9	230.3	152.4	113.4	89.4	73.7	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	477.2	458.0	429.8	405.2	383.3	364.5	346.8	330.7	315.5	276.4	182.9	136.1	107.3	88.5	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	576.6	553.5	519.4	489.7	463.2	440.4	419.1	399.6	381.2	334.0	221.0	164.4	129.6	106.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	676.1	648.9	609.0	574.1	543.1	516.4	491.3	468.5	446.9	391.6	259.1	192.8	152.0	125.4	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	719.9	719.9	698.5	658.5	622.9	592.3	563.6	537.4	512.7	449.1	297.2	221.1	174.3	143.8	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	719.9	719.9	718.5	683.1	650.0	619.8	591.3	518.1	342.9	255.1	201.2	166.0	141.5	123.5	109.7	98.8	90.0	47.1

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.80Vpc at 20°C

Battery Type	Standby Time (Minutes)										Standby Time (Hours)									
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	198.3	141.4	111.4	92.5	79.5	70.1	62.9	57.0	52.3	42.1	24.2	17.3	13.6	11.3	9.72	8.52	7.57	6.81	6.20	3.37
SBS B14F	198.3	141.4	111.4	92.5	79.5	70.1	62.9	57.0	52.3	42.1	24.2	17.3	13.6	11.3	9.72	8.52	7.57	6.81	6.20	3.37
SBS C11	264.6	197.2	157.7	132.5	114.7	101.2	90.9	82.5	75.7	60.8	35.2	25.1	19.7	16.3	14.0	12.3	11.0	10.0	9.20	5.18
SBS C11F	264.6	197.2	157.7	132.5	114.7	101.2	90.9	82.5	75.7	60.8	35.2	25.1	19.7	16.3	14.0	12.3	11.0	10.0	9.20	5.18
SBS 100	283.8	214.9	175.9	148.8	129.8	114.9	103.6	94.4	86.7	70.0	40.5	28.8	22.5	18.5	15.7	13.7	12.2	11.1	10.0	5.57
SBS 100F	283.8	214.9	175.9	148.8	129.8	114.9	103.6	94.4	86.7	70.0	40.5	28.8	22.5	18.5	15.7	13.7	12.2	11.1	10.0	5.57
SBS 150F	345.6	279.9	233.9	202.1	178.7	161.2	146.6	134.2	123.7	101.5	58.7	42.1	33.1	27.5	23.5	20.6	18.3	16.5	15.1	8.10
SBS 170F	392.7	309.7	261.0	227.8	201.3	182.3	166.0	152.3	141.0	115.4	67.5	48.2	37.6	31.0	26.4	23.1	20.5	18.5	17.0	9.24
SBS 190F	448.5	354.9	296.7	256.4	226.6	203.3	184.5	169.1	156.4	127.8	75.4	54.2	42.4	34.9	29.8	26.0	23.1	20.8	19.0	10.3
SBS 410	870.0	664.0	548.0	471.0	400.0	346.0	313.0	282.0	253.0	247.0	152.0	115.3	92.8	77.4	62.2	54.2	50.9	43.8	40.9	19.2
SBS 320	264.3	264.3	250.6	237.7	226.3	215.5	205.6	196.6	188.4	167.1	113.8	86.2	69.5	58.4	50.3	43.9	39.0	35.1	32.0	16.7
SBS 400	330.4	330.4	313.2	297.2	282.9	269.3	257.1	245.8	235.5	208.9	142.3	107.8	86.9	73.0	62.8	54.9	48.7	43.9	40.0	20.9
SBS 480	396.5	396.5	375.9	356.6	339.4	323.2	308.5	294.9	282.6	250.7	170.8	129.4	104.3	87.6	75.4	65.8	58.5	52.7	48.0	25.1
SBS 580	479.1	479.1	454.2	430.9	410.2	390.6	372.8	356.4	341.4	302.9	206.3	156.4	126.0	105.9	91.1	79.6	70.7	63.7	58.0	30.3
SBS 680	561.8	561.7	532.5	505.2	480.9	457.9	437.1	417.8	400.3	355.2	241.9	183.3	147.7	124.2	106.9	93.3	82.9	74.7	68.0	35.6
SBS 780	644.4	644.4	610.8	579.5	551.6	525.3	501.3	479.3	459.2	407.4	277.5	210.3	169.5	142.4	122.6	107.0	95.1	85.6	78.0	40.8
SBS 900	719.9	719.9	704.4	668.3	636.2	605.8	578.2	552.8	529.6	469.9	320.1	242.6	195.5	164.3	141.5	123.5	109.7	98.8	90.0	47.1

Discharge Currents (Amperes) to 1.85Vpc at 20°C

Battery Type	Standby Time (Minutes)										Standby Time (Hours)									
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	177.3	130.2	102.9	86.0	74.3	65.9	59.2	53.9	49.6	40.0	23.4	16.9	13.3	11.1	9.54	8.39	7.47	6.73	6.17	3.34
SBS B14F	177.3	130.2	102.9	86.0	74.3	65.9	59.2	53.9	49.6	40.0	23.4	16.9	13.3	11.1	9.54	8.39	7.47	6.73	6.17	3.34
SBS C11	243.6	181.6	147.0	124.6	108.4	96.4	86.7	78.6	72.1	58.3	34.2	24.8	19.6	16.2	13.9	12.2	10.9	9.93	9.09	5.11
SBS C11F	243.6	181.6	147.0	124.6	108.4	96.4	86.7	78.6	72.1	58.3	34.2	24.8	19.6	16.2	13.9	12.2	10.9	9.93	9.09	5.11
SBS 100	247.8	192.9	159.9	137.2	119.4	107.2	96.5	88.0	81.3	65.6	38.8	27.9	21.9	18.0	15.3	13.3	11.9	10.7	9.86	5.48
SBS 100F	247.8	192.9	159.9	137.2	119.4	107.2	96.5	88.0	81.3	65.6	38.8	27.9	21.9	18.0	15.3	13.3	11.9	10.7	9.86	5.48
SBS 150F	301.4	248.5	211.8	184.8	165.0	149.2	136.3	124.9	115.4	95.0	55.3	39.6	31.1	25.8	22.1	19.3	17.2	15.6	14.2	7.63
SBS 170F	356.5	286.5	240.6	213.6	188.4	170.2	157.3	144.3	133.7	109.5	65.0	46.5	36.4	29.9	25.5	22.3	19.8	17.8	16.3	8.90
SBS 190F	389.5	314.6	268.7	233.9	208.4	188.8	172.7	158.5	147.4	120.6	72.5	52.5	41.1	34.0	29.0	25.3	22.5	20.3	18.5	10.1
SBS 410	826.0	622.0	500.0	413.0	357.0	310.0	282.0	255.0	239.0	241.0	142.0	108.6	89.0	75.1	58.6	51.0	50.1	41.2	40.3	19.0
SBS 320	210.9	210.9	210.9	202.2	193.2	184.7	177.2	170.2	163.6	146.7	102.9	79.1	64.5	54.5	47.3	41.8	37.5	34.1	31.2	16.7
SBS 400	263.6	263.6	263.6	252.7	241.5	230.9	221.5	212.8	204.6	183.4	128.6	98.9	80.6	68.1	59.1	52.3	46.9	42.6	39.1	20.9
SBS 480	316.4	316.3	316.3	303.3	289.8	277.1	265.8	255.3	245.5	220.1	154.3	118.6	96.7	81.8	70.9	62.8	56.3	51.2	46.9	25.1
SBS 580	382.3	382.2	382.2	366.4	350.2	334.9	321.2	308.6	296.6	265.9	186.5	143.4	116.9	98.8	85.7	75.8	68.1	61.8	56.7	30.3
SBS 680	448.2	448.2	448.1	429.6	410.6	392.6	376.6	361.8	347.8	311.8	218.7	168.1	137.1	115.9	100.5	88.9	79.8	72.5	66.5	35.6
SBS 780	514.1	514.1	514.0	492.8	471.0	450.4	432.0	415.0	399.0	357.6	250.8	192.8	157.2	132.9	115.3	102.0	91.6	83.2	76.2	40.8
SBS 900	593.2	593.1	593.1	568.2	543.1	519.3	498.1	478.5	460.0	412.4	289.3	222.4	181.4	153.3	133.0	117.7	105.7	95.9	87.9	47.1

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.60Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	444.9	310.7	238.8	195.7	166.9	146.2	130.2	117.9	107.8	86.2	49.5	35.2	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS B14F	444.9	310.7	238.8	195.7	166.9	146.2	130.2	117.9	107.8	86.2	49.5	35.2	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS C11	602.7	423.8	333.9	276.8	237.4	208.4	186.1	168.0	153.6	122.3	69.7	49.4	38.6	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS C11F	602.7	423.8	333.9	276.8	237.4	208.4	186.1	168.0	153.6	122.3	69.7	49.4	38.6	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS 100	686.6	481.4	381.8	318.3	274.1	241.1	215.9	195.5	178.9	143.5	82.0	58.1	45.2	37.2	31.6	27.6	24.5	22.1	20.1	11.0
SBS 100F	686.6	481.4	381.8	318.3	274.1	241.1	215.9	195.5	178.9	143.5	82.0	58.1	45.2	37.2	31.6	27.6	24.5	22.1	20.1	11.0
SBS 150F	808.5	597.6	486.9	415.1	363.6	325.1	294.8	270.4	249.8	202.6	118.9	85.4	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS 170F	982.3	718.5	582.2	492.3	428.8	381.4	343.8	314.3	289.5	234.9	137.6	98.3	76.7	63.0	53.7	46.9	41.7	37.6	34.2	18.6
SBS 190F	1075	807.9	660.1	559.3	487.6	433.1	390.0	355.9	327.7	265.4	154.9	110.5	86.4	71.1	60.6	53.0	47.1	42.4	38.6	21.1
SBS 410	1790	1370	1129	953.0	821.0	717.0	647.0	580.0	527.0	576.2	338.1	241.1	188.3	154.8	132.6	115.7	101.0	91.6	81.9	42.9
SBS 320	610.9	610.9	610.9	575.7	539.0	507.4	479.9	454.0	430.7	372.2	236.0	172.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	910.7	832.2	772.3	719.7	673.8	634.2	599.9	567.5	538.3	465.2	295.0	215.5	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	1092	998.6	926.8	863.6	808.5	761.1	719.8	681.1	646.0	558.3	354.1	258.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	1203	1172	1119	1043	977.1	919.6	869.8	823.0	780.6	674.6	427.8	312.5	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1244	1227	1204	1178	1145	1078	1019	964.0	915.2	790.9	501.6	366.4	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1267	1250	1230	1210	1186	1160	1106	1049	907.2	575.4	420.3	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1261	1245	1226	1205	1182	1046	663.9	484.9	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power (Watts per cell) to 1.63Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	444.9	310.7	238.8	195.7	166.9	146.2	130.2	117.9	107.8	86.2	49.5	35.2	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS B14F	444.9	310.7	238.8	195.7	166.9	146.2	130.2	117.9	107.8	86.2	49.5	35.2	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS C11	590.3	417.0	330.6	274.5	235.8	207.3	185.2	167.3	152.9	122.0	69.6	49.3	38.6	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS C11F	590.3	417.0	330.6	274.5	235.8	207.3	185.2	167.3	152.9	122.0	69.6	49.3	38.6	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS 100	667.3	472.5	378.1	316.8	272.8	240.2	215.2	194.9	178.5	143.1	81.7	57.9	45.1	37.1	31.5	27.5	24.4	22.0	20.1	11.0
SBS 100F	667.3	472.5	378.1	316.8	272.8	240.2	215.2	194.9	178.5	143.1	81.7	57.9	45.1	37.1	31.5	27.5	24.4	22.0	20.1	11.0
SBS 150F	808.5	597.6	486.9	415.1	363.6	325.1	294.8	270.4	249.8	202.6	118.9	85.4	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS 170F	962.3	711.4	580.1	491.3	428.6	381.4	343.7	314.3	289.5	234.9	137.6	98.3	76.7	63.0	53.7	46.9	41.7	37.6	34.2	18.6
SBS 190F	1049	795.5	652.8	554.3	484.3	431.0	388.7	355.2	326.9	264.9	154.6	110.4	86.4	71.1	60.6	53.0	47.1	42.4	38.6	21.1
SBS 410	1753	1352	1116	951.0	817.0	714.0	634.0	572.0	527.0	568.1	337.0	241.1	188.3	154.8	132.6	115.7	101.0	91.6	81.9	42.5
SBS 320	611.0	610.9	598.8	558.3	523.9	494.3	468.4	445.1	423.0	367.3	236.0	172.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	876.4	806.1	748.5	697.9	654.9	617.9	585.5	556.4	528.8	459.2	295.0	215.5	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	1051	967.5	898.2	837.5	785.9	741.5	702.6	667.7	634.6	551.0	354.1	258.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	1203	1169	1085	1012	949.5	896.0	849.0	806.8	766.8	665.8	427.8	312.5	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1244	1227	1204	1178	1113	1050	995.3	945.9	899.0	780.6	501.6	366.4	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1268	1250	1230	1210	1186	1141	1084	1031	895.4	575.4	420.3	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1261	1245	1226	1205	1182	1033	663.9	484.9	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power (Watts per cell) to 1.65Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	443.9	302.2	235.2	193.6	165.6	145.2	129.4	117.4	107.4	86.0	49.4	35.1	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS B14F	443.9	302.2	235.2	193.6	165.6	145.2	129.4	117.4	107.4	86.0	49.4	35.1	27.5	22.7	19.4	17.0	15.1	13.6	12.4	6.73
SBS C11	580.3	412.5	327.6	272.5	234.5	206.2	184.2	166.6	152.3	121.7	69.5	49.3	38.5	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS C11F	580.3	412.5	327.6	272.5	234.5	206.2	184.2	166.6	152.3	121.7	69.5	49.3	38.5	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS 100	651.8	466.4	374.7	314.4	271.2	239.1	214.3	194.2	178.0	142.8	81.6	57.8	45.0	37.0	31.5	27.4	24.4	22.0	20.0	11.0
SBS 100F	651.8	466.4	374.7	314.4	271.2	239.1	214.3	194.2	178.0	142.8	81.6	57.8	45.0	37.0	31.5	27.4	24.4	22.0	20.0	11.0
SBS 150F	804.3	594.9	484.8	413.3	362.5	324.3	294.3	270.1	249.5	202.6	118.9	85.4	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS 170F	943.4	702.3	575.2	489.0	427.5	380.6	343.0	313.8	289.2	234.9	137.6	98.3	76.7	63.0	53.6	46.9	41.7	37.5	34.2	18.6
SBS 190F	1028	785.3	646.3	549.5	481.1	428.3	386.9	353.6	325.7	264.3	154.4	110.3	86.3	71.0	60.5	52.9	47.0	42.4	38.5	21.1
SBS 410	1745	1344	1111	946.0	810.0	709.0	629.0	567.0	523.0	559.6	335.1	240.8	188.3	154.8	132.4	115.6	101.0	91.5	81.9	42.1
SBS 320	611.0	610.9	583.9	545.4	513.1	485.0	460.1	437.8	417.2	363.4	236.0	172.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	852.8	788.0	729.9	681.8	641.4	606.3	575.2	547.2	521.5	454.2	295.0	215.5	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	1023	945.6	875.9	818.1	769.6	727.5	690.2	656.7	625.8	545.0	354.1	258.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	1203	1142	1058	988.8	930.0	879.1	834.1	793.5	756.2	658.6	427.8	312.5	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1243	1228	1204	1159	1090	1030	977.9	930.3	886.6	772.2	501.6	366.4	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1267	1250	1230	1210	1182	1121	1067	1017	885.7	575.4	420.3	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1261	1245	1226	1205	1173	1021	663.9	484.9	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.67Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	434.6	297.7	232.8	192.2	164.6	144.4	128.9	117.0	107.1	85.8	49.2	35.0	27.4	22.6	19.3	17.0	15.1	13.6	12.4	6.73
SBS B14F	434.6	297.7	232.8	192.2	164.6	144.4	128.9	117.0	107.1	85.8	49.2	35.0	27.4	22.6	19.3	17.0	15.1	13.6	12.4	6.73
SBS C11	569.8	407.5	324.4	270.5	233.0	204.9	183.2	165.8	151.6	121.3	69.5	49.2	38.5	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS C11F	569.8	407.5	324.4	270.5	233.0	204.9	183.2	165.8	151.6	121.3	69.5	49.2	38.5	31.9	27.3	23.9	21.4	19.4	17.8	10.0
SBS 100	634.6	459.3	370.3	311.5	268.9	237.4	212.9	193.1	177.1	142.2	81.3	57.6	44.9	36.9	31.4	27.4	24.3	21.9	20.0	10.9
SBS 100F	634.6	459.3	370.3	311.5	268.9	237.4	212.9	193.1	177.1	142.2	81.3	57.6	44.9	36.9	31.4	27.4	24.3	21.9	20.0	10.9
SBS 150F	797.9	587.6	480.7	411.1	361.2	323.5	293.7	269.7	249.3	202.4	118.9	85.4	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS 170F	919.6	691.9	568.3	484.4	424.6	378.7	342.1	313.2	288.6	234.4	137.4	98.2	76.5	62.7	53.4	46.7	41.5	37.4	34.1	18.6
SBS 190F	1003	773.1	638.1	543.5	476.8	424.8	384.3	351.5	323.8	263.2	154.3	110.2	86.2	70.9	60.4	52.9	47.0	42.3	38.5	21.0
SBS 410	1679	1325	1093	930.0	798.0	705.0	623.0	566.0	521.0	548.7	332.2	239.9	188.1	154.8	131.9	115.2	101.0	91.9	81.9	41.8
SBS 320	611.0	610.9	568.3	532.2	501.4	474.9	451.2	429.8	410.5	358.7	235.6	172.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	827.9	765.2	710.4	665.2	626.8	593.6	564.0	537.3	513.1	448.4	294.5	215.5	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	994.0	918.1	852.4	798.3	752.1	712.3	676.8	644.8	615.7	538.1	353.5	258.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	1201	1109	1030	964.5	908.8	860.7	817.9	779.1	744.0	650.2	427.1	312.5	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1244	1228	1204	1130	1065	1009	958.9	913.4	872.3	762.3	500.8	366.4	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1267	1250	1230	1210	1157	1100	1048	1000	874.4	574.4	420.3	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1261	1245	1226	1205	1154	1008	662.7	484.9	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power (Watts per cell) to 1.70Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	421.2	291.0	229.2	189.8	162.8	143.0	127.9	116.1	106.3	85.3	49.0	34.9	27.3	22.6	19.3	16.9	15.1	13.6	12.4	6.73
SBS B14F	421.2	291.0	229.2	189.8	162.8	143.0	127.9	116.1	106.3	85.3	49.0	34.9	27.3	22.6	19.3	16.9	15.1	13.6	12.4	6.73
SBS C11	553.2	399.2	318.7	266.0	229.7	202.6	181.2	164.2	150.3	120.4	69.2	49.2	38.5	31.8	27.3	23.9	21.4	19.4	17.8	10.0
SBS C11F	553.2	399.2	318.7	266.0	229.7	202.6	181.2	164.2	150.3	120.4	69.2	49.2	38.5	31.8	27.3	23.9	21.4	19.4	17.8	10.0
SBS 100	605.2	447.2	362.9	306.1	264.5	234.2	210.0	190.9	175.3	140.8	80.8	57.3	44.6	36.7	31.2	27.2	24.2	21.8	19.9	10.9
SBS 100F	605.2	447.2	362.9	306.1	264.5	234.2	210.0	190.9	175.3	140.8	80.8	57.3	44.6	36.7	31.2	27.2	24.2	21.8	19.9	10.9
SBS 150F	771.7	575.2	474.2	407.0	358.6	321.7	292.6	268.9	248.8	202.0	118.9	85.3	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS 170F	873.1	670.5	555.4	474.6	417.8	373.3	338.4	310.1	286.2	233.1	136.3	97.4	76.0	62.4	53.2	46.5	41.4	37.2	33.9	18.5
SBS 190F	961.4	751.1	622.6	532.6	468.6	418.4	379.3	347.2	320.1	260.8	153.5	109.9	85.9	70.8	60.3	52.8	46.9	42.2	38.4	21.0
SBS 410	1645	1314	1081	914.0	793.0	698.0	618.0	562.0	516.0	528.2	326.2	237.8	187.4	154.6	130.8	114.1	101.0	90.3	81.8	41.1
SBS 320	611.0	583.1	543.7	511.0	483.1	458.6	436.8	417.0	399.1	350.2	232.7	172.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	786.1	728.9	679.6	638.7	603.9	573.3	546.1	521.3	498.9	437.7	290.9	215.5	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	943.4	874.8	815.5	766.5	724.7	687.9	655.3	625.6	598.7	525.3	349.1	258.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	1140	1056	985.0	926.2	875.7	831.3	791.8	755.9	723.5	634.7	421.9	312.5	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1244	1227	1154	1085	1026	974.6	928.3	886.3	848.2	744.2	494.6	366.4	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1267	1250	1230	1177	1118	1064	1016	973.0	853.6	567.4	420.3	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1261	1245	1226	1172	1122	984.8	654.6	484.9	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power (Watts per cell) to 1.75Vpc at 20°C

Battery Type	Standby Time (Minutes)									Standby Time (Hours)										
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	396.0	279.4	221.4	184.0	158.6	139.5	125.2	113.8	104.3	83.9	48.5	34.6	27.2	22.5	19.3	16.9	15.0	13.6	12.3	6.73
SBS B14F	396.0	279.4	221.4	184.0	158.6	139.5	125.2	113.8	104.3	83.9	48.5	34.6	27.2	22.5	19.3	16.9	15.0	13.6	12.3	6.73
SBS C11	519.9	383.3	307.7	258.3	223.6	197.6	177.2	161.0	147.5	118.6	68.7	49.0	38.4	31.8	27.2	23.9	21.4	19.4	17.8	10.0
SBS C11F	519.9	383.3	307.7	258.3	223.6	197.6	177.2	161.0	147.5	118.6	68.7	49.0	38.4	31.8	27.2	23.9	21.4	19.4	17.8	10.0
SBS 100	558.5	423.1	346.9	293.9	255.5	226.7	203.8	185.7	170.8	137.6	79.5	56.7	44.2	36.3	30.9	26.9	24.0	21.6	19.8	10.9
SBS 100F	558.5	423.1	346.9	293.9	255.5	226.7	203.8	185.7	170.8	137.6	79.5	56.7	44.2	36.3	30.9	26.9	24.0	21.6	19.8	10.9
SBS 150F	709.8	550.2	460.1	396.9	351.4	316.2	288.4	265.4	245.5	200.0	117.9	84.7	66.8	55.3	47.4	41.6	37.1	33.5	30.5	16.4
SBS 170F	780.1	621.6	521.4	452.5	401.1	360.3	328.7	302.1	279.3	228.7	134.5	96.2	75.1	61.8	52.8	46.2	41.0	36.9	33.7	18.4
SBS 190F	889.6	707.5	590.0	510.0	450.8	404.6	368.1	337.6	311.8	255.3	151.4	108.8	85.3	70.2	59.9	52.4	46.6	41.9	38.2	20.8
SBS 410	1575	1247	1042	877.0	758.0	671.0	602.0	547.0	503.0	484.4	311.8	231.8	184.7	153.4	127.5	111.3	100.8	88.1	81.5	39.9
SBS 320	551.3	530.6	499.1	471.8	448.4	427.7	408.9	391.9	374.8	331.4	225.2	170.4	136.9	113.8	97.7	85.8	76.5	69.1	62.9	33.4
SBS 400	689.2	663.3	623.9	589.8	560.5	534.7	511.1	489.9	468.6	414.2	281.5	213.0	171.1	142.3	122.2	107.3	95.7	86.3	78.6	41.7
SBS 480	827.0	796.0	748.7	707.8	672.6	641.6	613.4	587.9	562.3	497.1	337.9	255.6	205.4	170.7	146.6	128.8	114.8	103.6	94.4	50.1
SBS 580	999.3	962.0	904.7	855.3	812.8	775.3	741.2	710.3	679.4	600.6	408.3	308.9	248.2	206.3	177.2	155.6	138.8	125.2	114.1	60.5
SBS 680	1171	1128	1060	1002	952.9	908.9	869.0	832.8	796.6	704.2	478.7	362.1	290.9	241.9	207.7	182.5	162.7	146.8	133.7	71.0
SBS 780	1273	1267	1216	1150	1093	1042	996.8	955.3	913.7	807.8	549.1	415.4	333.7	277.4	238.3	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1289	1276	1260	1202	1150	1102	1054	931.8	633.4	479.3	385.1	320.1	274.9	241.5	215.3	194.3	177.0	93.9

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.80Vpc at 20°C

Battery Type	Standby Time (Minutes)										Standby Time (Hours)									
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	367.3	265.4	211.4	176.7	152.6	134.8	121.4	110.4	101.3	81.9	47.7	34.2	27.0	22.4	19.2	16.9	15.0	13.5	12.3	6.73
SBS B14F	367.3	265.4	211.4	176.7	152.6	134.8	121.4	110.4	101.3	81.9	47.7	34.2	27.0	22.4	19.2	16.9	15.0	13.5	12.3	6.73
SBS C11	487.0	365.7	295.1	249.2	216.7	191.9	172.8	157.2	144.3	116.5	68.0	48.8	38.3	31.8	27.2	23.9	21.4	19.4	17.8	10.0
SBS C11F	487.0	365.7	295.1	249.2	216.7	191.9	172.8	157.2	144.3	116.5	68.0	48.8	38.3	31.8	27.2	23.9	21.4	19.4	17.8	10.0
SBS 100	517.8	395.4	327.2	278.2	244.0	216.7	195.7	178.9	164.8	133.6	78.0	55.8	43.6	35.9	30.5	26.7	23.7	21.4	19.6	10.8
SBS 100F	517.8	395.4	327.2	278.2	244.0	216.7	195.7	178.9	164.8	133.6	78.0	55.8	43.6	35.9	30.5	26.7	23.7	21.4	19.6	10.8
SBS 150F	627.2	513.5	436.1	379.8	337.8	305.4	279.3	257.2	238.1	195.9	114.8	82.6	65.1	53.9	46.2	40.5	36.1	32.6	29.7	16.0
SBS 170F	711.5	570.4	482.4	428.1	379.7	345.1	316.3	291.3	270.1	222.8	131.9	94.8	74.1	61.0	52.1	45.6	40.5	36.5	33.3	18.2
SBS 190F	814.7	653.9	552.5	481.9	428.2	387.3	353.4	325.0	301.5	248.3	148.5	107.3	84.2	69.5	59.4	51.9	46.1	41.5	37.9	20.6
SBS 410	1480	1240	1037	870.0	752.0	664.0	594.0	541.0	497.0	431.7	292.7	223.2	180.4	151.0	122.7	107.1	100.1	84.8	80.9	38.5
SBS 320	471.6	471.6	449.4	427.9	409.0	390.5	372.9	357.4	342.9	306.1	213.1	163.4	132.9	112.2	97.5	85.8	76.5	69.1	62.9	33.4
SBS 400	589.5	589.5	561.7	534.9	511.2	488.1	466.1	446.8	428.7	382.7	266.4	204.2	166.2	140.3	121.8	107.3	95.7	86.3	78.6	41.7
SBS 480	707.4	707.4	674.1	641.9	613.5	585.7	559.3	536.2	514.4	459.2	319.6	245.1	199.4	168.4	146.2	128.8	114.8	103.6	94.4	50.1
SBS 580	854.8	854.8	814.5	775.6	741.3	707.8	675.9	647.9	621.6	554.9	386.2	296.2	241.0	203.4	176.7	155.6	138.8	125.2	114.1	60.5
SBS 680	1002	1002	955.0	909.4	869.1	829.8	792.4	759.6	728.8	650.6	452.8	347.2	282.5	238.5	207.1	182.5	162.7	146.8	133.7	71.0
SBS 780	1149	1149	1095	1043	996.9	951.8	909.0	871.3	835.9	746.2	519.4	398.3	324.1	273.6	237.6	209.3	186.6	168.4	153.4	81.4
SBS 900	1299	1299	1263	1203	1149	1097	1048	1004	964.2	860.7	599.2	459.5	373.9	315.7	274.1	241.5	215.3	194.3	177.0	93.9

Constant Power (Watts per cell) to 1.85Vpc at 20°C

Battery Type	Standby Time (Minutes)										Standby Time (Hours)									
	5	10	15	20	25	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS B14	335.2	248.6	198.3	166.6	144.2	128.1	115.6	105.4	97.1	78.9	46.5	33.6	26.6	22.0	19.0	16.7	14.9	13.5	12.3	6.70
SBS B14F	335.2	248.6	198.3	166.6	144.2	128.1	115.6	105.4	97.1	78.9	46.5	33.6	26.6	22.0	19.0	16.7	14.9	13.5	12.3	6.70
SBS C11	456.5	342.8	279.0	237.1	207.1	183.9	166.4	151.2	139.1	113.1	66.7	48.3	38.1	31.6	27.1	23.8	21.3	19.3	17.7	10.0
SBS C11F	456.5	342.8	279.0	237.1	207.1	183.9	166.4	151.2	139.1	113.1	66.7	48.3	38.1	31.6	27.1	23.8	21.3	19.3	17.7	10.0
SBS 100	461.8	362.0	302.1	259.7	227.7	204.3	184.7	168.6	155.5	126.8	75.2	54.3	42.5	35.1	29.9	26.1	23.3	21.0	19.2	10.6
SBS 100F	461.8	362.0	302.1	259.7	227.7	204.3	184.7	168.6	155.5	126.8	75.2	54.3	42.5	35.1	29.9	26.1	23.3	21.0	19.2	10.6
SBS 150F	562.4	468.1	402.8	353.7	316.5	287.6	263.4	243.1	224.9	185.7	108.9	78.3	61.6	51.1	43.8	38.4	34.3	31.0	28.2	15.2
SBS 170F	663.4	537.4	457.3	405.3	362.6	327.3	301.5	280.1	259.2	214.4	127.7	92.1	72.0	59.3	50.7	44.3	39.3	35.5	32.3	17.6
SBS 190F	727.9	592.7	510.7	447.9	401.0	364.5	335.0	308.7	287.0	237.8	143.9	105.2	82.4	68.0	58.2	50.9	45.2	40.9	37.3	20.2
SBS 410	1169	1053	901.0	793.0	701.0	630.0	565.0	516.0	456.0	373.8	269.8	212.2	174.5	147.6	116.7	101.8	99.0	80.6	80.0	36.8
SBS 320	388.7	388.7	388.7	374.0	357.7	342.3	328.7	316.1	304.7	274.4	195.6	151.9	124.6	105.8	92.3	82.0	73.7	67.0	61.4	33.4
SBS 400	485.9	485.9	485.9	467.5	447.1	427.9	410.9	395.2	380.8	343.0	244.5	189.9	155.8	132.3	115.4	102.5	92.2	83.8	76.8	41.7
SBS 480	583.1	583.1	583.1	561.0	536.6	513.5	493.1	474.2	457.0	411.6	293.4	227.8	186.9	158.8	138.5	123.0	110.6	100.5	92.1	50.1
SBS 580	704.6	704.6	704.5	677.9	648.4	620.4	595.9	573.0	552.2	497.4	354.6	275.3	225.9	191.9	167.4	148.6	133.7	121.5	111.4	60.5
SBS 680	826.1	826.1	826.0	794.8	760.2	727.4	698.6	671.9	647.4	583.2	415.7	322.8	264.8	225.0	196.3	174.3	156.7	142.4	130.6	71.0
SBS 780	947.6	947.6	947.5	911.7	872.0	834.4	801.4	770.7	742.7	668.9	476.8	370.3	303.8	258.0	225.2	199.9	179.8	163.4	149.8	81.4
SBS 900	1093	1093	1093	1051	1005	962.2	924.1	888.7	856.5	771.5	550.0	427.1	350.4	297.7	259.7	230.6	207.4	188.5	172.8	93.9

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