PowerSafe® V

PERFORMANCE DATA

EnerSys®
Power/Full Solutions

RESERVE
POWER

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	231.8	137.6	106.7	85.6	71.8	61.9	54.7	49.7	45.0	41.4	38.3	35.9	25.5	20.0	16.6	14.3	11.0	9.02	7.67	6.70	5.92	5.32	4.83	4.10	2.11
12V55	287.3	170.1	132.2	106.0	88.9	77.0	67.9	61.6	55.9	51.3	47.6	44.5	31.5	24.8	20.5	17.7	13.7	11.2	9.50	8.31	7.34	6.59	5.99	5.08	2.61
12V70	345.2	203.9	158.9	127.4	106.9	92.9	82.0	74.0	67.4	61.7	57.4	53.4	37.9	29.8	24.7	21.2	16.4	13.4	11.4	10.0	8.82	7.92	7.19	6.11	3.14
12V80	403.2	237.6	185.6	148.8	124.8	108.8	96.0	86.4	78.9	72.0	67.2	62.4	44.3	34.8	28.8	24.8	19.2	15.7	13.3	11.7	10.3	9.24	8.40	7.13	3.67
4V105	346.0	236.0	180.0	148.0	125.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V105	346.0	236.0	180.0	148.0	125.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V130	453.1	329.4	258.7	212.0	181.7	156.5	139.0	125.0	114.0	104.0	95.9	89.2	65.8	52.5	43.7	37.9	30.0	24.7	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	515.0	376.0	296.0	244.0	208.0	181.0	160.0	144.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	515.0	376.0	296.0	244.0	208.0	181.0	160.0	144.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	717.0	522.0	391.0	322.0	268.0	231.0	203.0	181.0	163.0	149.0	138.0	128.0	92.0	73.8	61.7	53.2	41.2	33.9	29.0	25.5	22.6	20.3	18.4	15.4	7.70
2V200	681.0	477.0	369.0	300.7	260.0	230.6	205.7	185.4	169.6	157.0	144.0	131.0	91.0	74.0	60.0	52.0	41.0	34.9	28.8	25.6	23.6	21.1	20.0	16.9	9.30
4V230	500.0	500.0	423.0	349.0	297.0	258.0	229.0	205.0	186.0	170.0	157.0	145.0	105.0	84.2	70.6	61.1	48.7	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	889.0	620.0	480.0	398.7	348.9	311.5	280.4	255.4	233.6	216.0	198.0	180.0	125.0	102.0	83.0	72.0	56.0	48.1	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	984.0	718.0	565.0	466.0	396.0	345.0	305.0	274.0	248.0	227.0	209.0	194.0	140.0	112.0	93.9	81.4	64.9	54.0	47.0	41.8	37.8	34.4	31.5	26.6	13.8
2V320	1073	763.0	590.0	481.0	404.0	353.0	312.0	282.0	259.0	242.0	225.0	213.0	167.3	130.0	107.7	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	678.0	678.0	678.3	578.8	506.4	452.2	407.0	370.8	339.1	313.0	288.0	262.0	182.0	148.0	120.0	105.0	82.0	69.8	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	847.0	699.0	594.0	517.0	458.0	411.0	372.0	340.0	314.0	291.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V460/6	1549	1130	889.0	733.0	624.0	543.0	481.0	431.0	391.0	357.0	329.0	305.0	217.0	173.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V500/2	531.0	531.0	531.0	531.0	531.0	531.0	470.0	426.0	391.0	363.0	341.0	319.0	234.0	185.0	150.0	131.0	103.0	87.3	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1902	1300	972.0	789.0	657.0	561.0	495.0	450.0	408.0	379.0	352.0	331.0	241.5	195.0	163.1	141.0	112.0	93.2	80.4	70.3	62.8	57.0	51.8	43.7	22.8

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	231.8	137.6	106.7	85.6	71.8	61.9	54.7	49.7	45.0	41.4	38.3	35.9	25.5	20.0	16.6	14.3	11.0	9.02	7.67	6.70	5.92	5.32	4.83	4.10	2.11
12V55	287.3	170.1	132.2	106.0	88.9	77.0	67.9	61.6	55.9	51.3	47.6	44.5	31.5	24.8	20.5	17.7	13.7	11.2	9.50	8.31	7.34	6.59	5.99	5.08	2.61
12V70	345.2	203.9	158.9	127.4	106.9	92.9	82.0	74.0	67.4	61.7	57.4	53.4	37.9	29.8	24.7	21.2	16.4	13.4	11.4	10.0	8.82	7.92	7.19	6.11	3.14
12V80	403.2	237.6	185.6	148.8	124.8	108.8	96.0	86.4	78.9	72.0	67.2	62.4	44.3	34.8	28.8	24.8	19.2	15.7	13.3	11.7	10.3	9.24	8.40	7.13	3.67
4V105	333.0	231.0	178.0	147.0	125.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V105	333.0	231.0	178.0	147.0	125.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V130	453.1	329.4	258.7	212.0	181.7	156.5	139.0	125.0	114.0	104.0	95.9	89.2	65.8	52.5	43.7	37.9	30.0	24.7	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	511.0	374.0	295.0	244.0	207.0	181.0	160.0	143.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	511.0	374.0	295.0	244.0	207.0	181.0	160.0	143.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	678.0	514.0	386.0	318.0	267.0	230.0	202.0	181.0	162.0	149.0	138.0	128.0	92.0	73.6	61.5	53.0	41.0	33.7	28.8	25.4	22.6	20.2	18.3	15.4	7.70
2V200	681.0	477.0	369.0	300.7	260.0	230.6	205.7	185.4	169.6	157.0	144.0	131.0	91.0	74.0	60.0	52.0	41.0	34.9	28.8	25.6	23.6	21.1	20.0	16.9	9.30
4V230	500.0	500.0	421.0	348.0	296.0	258.0	228.0	205.0	186.0	170.0	157.0	145.0	105.0	84.2	70.6	61.1	48.7	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	889.0	620.0	480.0	398.7	348.9	311.5	280.4	255.4	233.6	216.0	198.0	180.0	125.0	102.0	83.0	72.0	56.0	48.1	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	1027	750.0	591.0	488.0	415.0	361.0	320.0	287.0	260.0	238.0	219.0	203.0	145.0	115.0	94.2	81.4	64.9	54.0	47.0	41.8	37.8	34.4	31.5	26.6	13.8
2V320	1028	742.0	579.0	474.0	398.0	349.0	312.0	282.0	259.0	242.0	225.0	213.0	167.3	130.0	107.7	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	678.0	678.0	678.3	578.8	506.4	452.2	407.0	370.8	339.1	313.0	288.0	262.0	182.0	148.0	120.0	105.0	82.0	69.8	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	844.0	696.0	593.0	516.0	457.0	410.0	372.0	340.0	313.0	290.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V460/6	1540	1125	886.0	731.0	622.0	542.0	480.0	430.0	390.0	357.0	329.0	305.0	217.0	173.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V500/2	531.0	531.0	531.0	531.0	531.0	531.0	470.0	426.0	391.0	363.0	341.0	319.0	234.0	185.0	150.0	131.0	103.0	87.3	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1826	1274	964.0	785.0	652.0	560.0	495.0	450.0	408.0	379.0	352.0	331.0	241.5	195.0	163.1	141.0	112.0	93.2	80.4	70.3	62.8	57.0	51.8	43.7	22.8

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	224.2	135.7	104.2	84.6	71.0	61.3	54.1	49.2	44.5	41.0	38.3	35.9	25.5	20.0	16.6	14.3	11.0	9.02	7.67	6.70	5.92	5.32	4.83	4.10	2.11
12V55	280.4	168.4	130.0	105.2	88.2	76.4	67.4	61.1	55.5	51.0	47.6	44.5	31.5	24.8	20.5	17.7	13.7	11.2	9.50	8.31	7.34	6.59	5.99	5.08	2.61
12V70	341.8	203.0	157.8	127.0	106.5	92.6	81.7	73.8	67.2	61.5	57.4	53.4	37.9	29.8	24.7	21.2	16.4	13.4	11.4	10.0	8.82	7.92	7.19	6.11	3.14
12V80	403.2	237.6	185.6	148.8	124.8	108.8	96.0	86.4	78.9	72.0	67.2	62.4	44.3	34.8	28.8	24.8	19.2	15.7	13.3	11.7	10.3	9.24	8.40	7.13	3.67
4V105	323.0	227.0	177.0	146.0	124.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V105	323.0	227.0	177.0	146.0	124.0	108.0	97.9	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V130	432.9	319.3	252.4	209.5	179.2	155.2	137.6	123.7	114.0	104.0	95.9	89.2	65.8	52.5	43.7	37.9	30.0	24.7	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	507.0	372.0	294.0	243.0	207.0	180.0	160.0	143.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	507.0	372.0	294.0	243.0	207.0	180.0	160.0	143.0	130.0	119.0	110.0	102.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	655.0	504.0	380.0	315.0	266.0	230.0	201.0	180.0	162.0	149.0	138.0	128.0	92.0	73.4	61.3	52.8	40.8	33.6	28.8	25.3	22.5	20.2	18.3	15.4	7.70
2V200	650.0	461.2	357.2	300.7	260.0	230.6	205.7	185.4	169.6	156.7	144.0	131.0	90.8	74.2	60.1	52.4	40.9	34.9	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	500.0	420.0	347.0	295.0	257.0	228.0	205.0	186.0	170.0	156.0	145.0	105.0	84.2	70.6	61.1	48.7	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	831.7	598.1	467.3	398.7	348.9	311.5	280.4	255.4	233.6	215.9	198.4	180.4	125.1	102.2	82.7	72.2	56.4	48.1	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	1020	746.0	589.0	486.0	414.0	361.0	319.0	287.0	260.0	238.0	219.0	203.0	145.0	115.0	94.2	81.4	64.9	54.0	47.0	41.8	37.8	34.4	31.5	26.6	13.8
2V320	997.0	728.0	572.0	469.0	395.0	348.0	312.0	282.0	259.0	242.0	225.0	213.0	167.3	130.0	107.7	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	678.0	678.0	678.3	578.8	506.4	452.2	407.0	370.8	339.1	313.4	288.0	261.9	181.6	148.4	120.2	104.8	81.9	69.8	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	841.0	694.0	591.0	515.0	456.0	409.0	371.0	340.0	313.0	290.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V460/6	1530	1119	883.0	729.0	621.0	541.0	479.0	430.0	390.0	357.0	329.0	305.0	217.0	173.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V500/2	531.0	531.0	531.0	531.0	531.0	531.0	470.0	426.0	391.0	363.0	341.0	319.0	234.0	185.0	150.0	131.0	103.0	87.3	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1769	1249	956.0	781.0	652.0	560.0	495.0	450.0	408.0	379.0	352.0	331.0	241.5	195.0	163.1	141.0	112.0	93.2	80.4	70.3	62.8	57.0	51.8	43.7	22.8

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	216.0	131.8	102.3	82.4	70.0	60.3	53.3	48.6	44.0	40.5	37.8	35.3	25.2	19.8	16.4	14.1	10.9	8.94	7.61	6.65	5.88	5.27	4.79	4.07	2.10
12V55	269.2	163.3	127.2	102.4	86.9	75.0	66.3	60.3	54.7	50.3	46.9	43.8	31.2	24.6	20.3	17.5	13.6	11.1	9.42	8.24	7.28	6.54	5.94	5.04	2.60
12V70	326.4	196.1	153.9	123.7	104.7	90.6	80.0	72.6	66.1	60.6	56.6	52.6	37.5	29.5	24.4	21.1	16.3	13.3	11.3	9.90	8.75	7.85	7.14	6.06	3.13
12V80	383.6	229.0	180.5	145.0	122.5	106.2	93.8	85.0	77.4	70.8	66.2	61.4	43.8	34.5	28.5	24.6	19.0	15.6	13.2	11.6	10.2	9.17	8.34	7.08	3.65
4V105	313.0	222.0	175.0	145.0	124.0	108.0	97.8	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V105	313.0	222.0	175.0	145.0	124.0	108.0	97.8	89.3	82.2	76.1	70.2	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V130	419.3	311.2	247.4	206.0	176.2	153.2	136.1	122.2	112.3	103.2	94.9	88.7	65.8	52.5	43.7	37.9	30.0	24.7	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	502.0	369.0	292.0	242.0	206.0	180.0	159.0	143.0	130.0	119.0	109.0	101.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	502.0	369.0	292.0	242.0	206.0	180.0	159.0	143.0	130.0	119.0	109.0	101.0	72.4	57.5	47.1	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	623.0	496.0	376.0	311.0	263.0	228.0	200.0	179.0	161.0	147.0	137.0	127.0	91.0	73.2	61.1	52.6	40.7	33.5	28.6	25.2	22.5	20.1	18.2	15.3	7.70
2V200	629.2	448.6	349.1	294.4	255.5	226.1	203.0	183.6	167.8	155.5	143.4	130.1	90.8	74.2	60.1	52.4	40.9	34.9	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	500.0	417.0	345.0	294.0	257.0	227.0	204.0	185.0	170.0	156.0	145.0	105.0	84.2	70.6	61.1	48.7	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	806.8	583.1	457.3	392.5	343.9	306.5	276.6	252.9	231.1	214.3	197.6	179.2	125.1	102.2	82.7	72.2	56.4	48.1	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	1011	741.0	586.0	484.0	413.0	359.0	318.0	286.0	259.0	237.0	219.0	203.0	145.0	115.0	94.2	81.4	64.9	54.0	47.0	41.8	37.8	34.4	31.5	26.6	13.8
2V320	969.0	712.0	561.0	463.0	392.0	345.0	309.0	280.0	259.0	242.0	225.0	213.0	167.3	130.0	107.7	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	663.6	663.6	663.8	569.8	499.2	444.9	401.5	367.2	335.5	311.0	286.8	260.2	181.6	148.4	120.2	104.8	81.9	69.8	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	837.0	691.0	589.0	514.0	455.0	408.0	371.0	339.0	313.0	290.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V460/6	1516	1112	878.0	726.0	619.0	539.0	478.0	429.0	389.0	356.0	328.0	304.0	217.0	173.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V500/2	522.2	522.2	522.2	522.2	522.2	522.2	463.6	420.8	386.6	359.8	336.6	315.8	234.0	185.0	150.0	131.0	103.0	87.3	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1713	1222	942.0	773.0	648.0	560.0	495.0	450.0	408.0	379.0	352.0	331.0	241.5	195.0	163.1	141.0	112.0	93.2	80.4	70.3	62.8	57.0	51.8	43.7	22.8

Discharge Currents (Amperes) to 1.69Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	207.8	128.0	100.3	80.2	69.0	59.4	52.5	47.9	43.5	40.0	37.4	34.8	25.0	19.6	16.3	14.0	10.9	8.87	7.54	6.60	5.83	5.23	4.76	4.04	2.09
12V55	258.0	158.2	124.5	99.7	85.5	73.6	65.1	59.4	54.0	49.6	46.3	43.1	30.9	24.3	20.2	17.4	13.5	11.0	9.35	8.18	7.22	6.49	5.89	5.01	2.59
12V70	311.0	189.2	149.9	120.4	102.8	88.7	78.3	71.5	65.0	59.6	55.7	51.8	37.2	29.2	24.2	20.9	16.2	13.2	11.2	9.82	8.68	7.79	7.08	6.02	3.12
12V80	364.0	220.3	175.4	141.1	120.2	103.7	91.6	83.5	75.9	69.7	65.1	60.5	43.4	34.2	28.3	24.4	18.9	15.4	13.1	11.5	10.1	9.10	8.27	7.03	3.64
4V105	302.0	218.0	173.0	144.0	123.0	108.0	97.6	89.2	82.0	75.8	70.1	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V105	302.0	218.0	173.0	144.0	123.0	108.0	97.6	89.2	82.0	75.8	70.1	65.1	47.0	37.7	31.6	27.2	21.7	18.1	15.7	14.0	12.6	11.5	10.5	8.90	4.60
6V130	405.7	303.2	242.3	202.4	173.2	151.2	134.5	120.7	110.6	102.4	93.9	88.2	65.8	52.5	43.7	37.9	30.0	24.7	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	491.0	364.0	289.0	240.0	205.0	179.0	158.0	142.0	129.0	118.0	109.0	101.0	72.2	57.3	47.0	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	491.0	364.0	289.0	240.0	205.0	179.0	158.0	142.0	129.0	118.0	109.0	101.0	72.2	57.3	47.0	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	603.0	479.0	366.0	306.0	260.0	226.0	199.0	177.0	160.0	147.0	136.0	126.0	91.0	73.0	60.9	52.4	40.5	33.4	28.6	25.1	22.4	20.1	18.2	15.3	7.70
2V200	608.4	435.9	340.9	288.0	251.0	221.6	200.3	181.8	166.0	154.3	142.8	129.2	90.8	74.2	60.1	52.4	40.9	34.9	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	500.0	413.0	342.0	292.0	255.0	226.0	203.0	185.0	169.0	156.0	145.0	104.0	83.9	70.5	61.1	48.7	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	781.9	568.2	447.3	386.3	338.9	301.5	272.9	250.4	228.6	212.6	196.7	178.0	125.1	102.2	82.7	72.2	56.4	48.1	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	999.0	734.0	581.0	481.0	410.0	358.0	317.0	285.0	259.0	237.0	218.0	203.0	144.0	115.0	94.0	81.4	64.9	54.0	47.0	41.8	37.8	34.4	31.5	26.6	13.8
2V320	941.7	695.3	550.3	457.0	389.3	341.7	305.7	278.7	259.0	242.0	225.0	213.0	167.3	130.0	107.7	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	649.2	649.2	649.3	560.7	492.0	437.7	396.1	363.6	331.9	308.7	285.5	258.4	181.6	148.4	120.2	104.8	81.9	69.8	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	830.0	687.0	586.0	511.0	453.0	407.0	369.0	338.0	312.0	289.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V460/6	1498	1102	872.0	721.0	615.0	537.0	476.0	427.0	388.0	355.0	327.0	304.0	217.0	172.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V500/2	513.4	513.4	513.4	513.4	513.4	513.4	457.2	415.6	382.2	356.6	332.2	312.6	234.0	185.0	150.0	131.0	103.0	87.3	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1657	1195	927.3	765.0	644.7	560.0	495.0	450.0	408.0	379.0	352.0	331.0	241.5	195.0	163.1	141.0	112.0	93.2	80.4	70.3	62.8	57.0	51.8	43.7	22.8

Discharge Currents (Amperes) to 1.71Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	195.0	125.2	98.6	78.5	67.8	58.5	51.7	47.2	42.9	39.6	36.9	34.5	24.7	19.5	16.2	13.9	10.8	8.81	7.50	6.55	5.80	5.20	4.73	4.02	2.09
12V55	241.6	154.6	122.2	97.5	84.0	72.5	64.1	58.5	53.2	49.1	45.8	42.8	30.7	24.1	20.0	17.2	13.3	10.9	9.29	8.11	7.18	6.45	5.86	4.98	2.58
12V70	290.3	184.8	146.9	117.6	100.9	87.1	77.0	70.3	63.9	59.0	55.0	51.4	36.9	29.0	24.1	20.7	16.0	13.1	11.2	9.75	8.63	7.75	7.04	5.98	3.11
12V80	339.1	215.0	171.5	137.8	117.9	101.8	90.0	82.1	74.7	68.9	64.2	60.0	43.0	33.8	28.1	24.2	18.7	15.3	13.0	11.4	10.1	9.05	8.22	6.99	3.63
4V105	291.0	214.0	171.0	143.0	122.0	107.0	97.2	89.0	81.6	75.4	69.8	65.0	46.9	37.7	31.6	27.2	21.7	18.0	15.7	13.9	12.6	11.4	10.5	8.90	4.60
6V105	291.0	214.0	171.0	143.0	122.0	107.0	97.2	89.0	81.6	75.4	69.8	65.0	46.9	37.7	31.6	27.2	21.7	18.0	15.7	13.9	12.6	11.4	10.5	8.90	4.60
6V130	391.8	294.8	236.8	198.2	169.9	148.9	132.5	119.1	108.8	101.0	92.9	87.4	65.4	52.3	43.5	37.7	29.8	24.6	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	476.0	355.0	284.0	236.0	202.0	177.0	157.0	141.0	128.0	117.0	108.0	101.0	71.7	57.0	46.9	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V155	476.0	355.0	284.0	236.0	202.0	177.0	157.0	141.0	128.0	117.0	108.0	101.0	71.7	57.0	46.9	40.7	32.4	27.0	23.5	20.9	18.9	17.2	15.7	13.3	6.90
6V170	584.0	463.0	357.0	300.0	254.0	223.0	197.0	175.0	159.0	145.0	135.0	125.0	90.0	72.6	60.7	52.2	40.3	33.1	28.4	24.8	22.2	19.9	18.1	15.2	7.70
2V200	585.6	422.8	332.4	281.7	246.0	217.5	197.2	179.1	163.7	152.1	141.0	127.9	89.9	73.3	59.7	51.9	40.7	34.7	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	500.0	406.0	338.0	289.0	253.0	225.0	202.0	184.0	168.0	155.0	144.0	104.0	83.5	70.3	61.0	48.6	40.5	35.2	31.3	28.3	25.8	23.6	19.9	10.3
2V275	751.7	549.5	434.9	376.3	331.4	295.3	267.9	246.7	225.5	209.5	194.2	176.2	123.9	101.0	82.2	71.6	56.1	47.8	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	972.0	719.0	571.0	474.0	405.0	354.0	314.0	282.0	257.0	235.0	217.0	201.0	143.0	114.0	93.8	81.3	64.8	53.9	46.9	41.8	37.8	34.3	31.4	26.5	13.8
2V320	910.2	676.4	538.6	449.0	384.4	337.6	302.2	276.4	258.0	241.4	224.9	212.8	166.9	130.0	107.6	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	660.2	660.1	631.2	546.2	481.1	428.7	388.9	358.1	327.4	304.2	282.0	255.8	179.8	146.7	119.3	103.9	81.4	69.4	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	819.0	679.0	581.0	507.0	450.0	405.0	368.0	337.0	311.0	288.0	208.0	167.0	141.0	122.0	97.2	80.9	70.4	62.6	56.6	51.5	47.1	39.8	20.6
2V460/6	1459	1079	857.0	711.0	608.0	531.0	471.0	424.0	385.0	353.0	325.0	302.0	215.0	171.0	141.0	122.0	97.2	80.9	70.4	62.6	56.6	51.5	47.1	39.8	20.6
2V500/2	503.4	503.4	503.4	503.4	503.4	503.4	449.6	409.6	377.8	352.8	329.0	309.8	233.4	183.0	149.0	129.8	102.4	86.8	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1597	1165	910.8	752.6	637.8	556.0	491.6	446.8	406.6	377.6	351.2	330.0	241.1	194.8	163.0	141.0	111.9	93.2	80.0	70.2	62.8	57.0	51.8	43.7	22.8

Discharge Currents (Amperes) to 1.73Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	177.5	123.3	97.2	77.2	66.5	57.8	51.1	46.4	42.3	39.4	36.5	34.5	24.6	19.3	16.1	13.8	10.7	8.78	7.47	6.49	5.77	5.18	4.71	4.00	2.08
12V55	220.0	152.5	120.4	95.8	82.4	71.6	63.3	57.5	52.4	48.8	45.3	42.8	30.4	23.9	19.9	17.1	13.2	10.9	9.25	8.05	7.15	6.42	5.84	4.96	2.57
12V70	264.4	182.8	144.7	115.3	99.0	86.0	76.1	69.0	63.0	58.7	54.4	51.4	36.6	28.7	23.9	20.6	15.9	13.1	11.1	9.67	8.60	7.72	7.01	5.96	3.09
12V80	308.7	213.1	169.0	134.9	115.6	100.5	88.9	80.6	73.6	68.5	63.5	60.0	42.7	33.5	28.0	24.0	18.6	15.3	13.0	11.3	10.0	9.01	8.19	6.96	3.61
4V105	280.0	209.0	168.0	141.0	121.0	106.0	96.7	88.6	81.2	74.9	69.5	64.8	46.8	37.7	31.5	27.1	21.7	18.0	15.6	13.9	12.6	11.4	10.5	8.80	4.60
6V105	280.0	209.0	168.0	141.0	121.0	106.0	96.7	88.6	81.2	74.9	69.5	64.8	46.8	37.7	31.5	27.1	21.7	18.0	15.6	13.9	12.6	11.4	10.5	8.80	4.60
6V130	377.6	286.3	230.7	193.1	166.3	146.4	130.0	117.6	106.8	99.1	91.9	86.4	64.7	51.9	43.2	37.4	29.6	24.3	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	455.0	344.0	276.0	231.0	198.0	173.0	154.0	139.0	126.0	116.0	107.0	99.5	71.1	56.6	46.8	40.6	32.4	27.0	23.4	20.9	18.9	17.1	15.7	13.2	6.90
6V155	455.0	344.0	276.0	231.0	198.0	173.0	154.0	139.0	126.0	116.0	107.0	99.5	71.1	56.6	46.8	40.6	32.4	27.0	23.4	20.9	18.9	17.1	15.7	13.2	6.90
6V170	558.0	444.0	347.0	290.0	249.0	219.0	195.0	174.0	157.0	143.0	133.0	124.0	90.0	72.0	60.3	52.0	40.2	33.0	28.3	24.7	22.1	19.8	18.0	15.1	7.70
2V200	560.7	409.2	323.3	275.4	240.6	213.9	193.5	175.4	161.0	148.8	138.1	126.1	88.1	71.6	58.8	51.1	40.2	34.3	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	496.0	398.0	333.0	286.0	250.0	223.0	201.0	182.0	167.0	155.0	144.0	104.0	83.2	70.1	60.9	48.5	40.4	35.1	31.3	28.3	25.7	23.5	19.9	10.3
2V275	716.1	527.1	419.9	362.6	321.5	287.8	261.7	241.7	221.8	205.0	190.2	173.8	121.4	98.6	81.0	70.4	55.5	47.2	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	934.0	697.0	556.0	464.0	397.0	348.0	309.0	278.0	253.0	232.0	214.0	199.0	142.0	113.0	93.5	81.2	64.7	53.9	46.8	41.7	37.7	34.3	31.4	26.5	13.7
2V320	874.6	655.2	525.8	439.0	377.2	332.8	298.6	273.2	256.0	240.3	224.6	212.4	166.2	130.0	107.5	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	696.6	696.3	609.5	526.3	466.7	417.8	379.8	350.9	322.0	297.6	276.1	252.3	176.3	143.2	117.6	102.1	80.5	68.5	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	1000	803.0	669.0	573.0	502.0	446.0	402.0	365.0	335.0	309.0	287.0	207.0	166.0	140.0	122.0	97.1	80.9	70.3	62.6	56.6	51.4	47.0	39.7	20.6
2V460/6	1401	1045	835.0	695.0	596.0	522.0	464.0	418.0	380.0	348.0	322.0	299.0	213.0	170.0	140.0	122.0	97.1	80.9	70.3	62.6	56.6	51.4	47.0	39.7	20.6
2V500/2	492.2	492.2	492.2	492.2	492.2	492.2	440.8	402.8	373.4	348.4	327.0	307.4	232.2	179.0	147.0	127.4	101.2	85.7	72.0	64.0	58.9	52.6	50.0	42.8	23.4
2V500/6	1531	1132	892.4	735.8	627.4	548.0	484.8	440.4	403.8	374.8	349.6	328.0	240.0	194.4	162.8	141.0	111.9	93.2	79.9	70.1	62.6	56.9	51.8	43.7	22.8

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	160.1	121.4	95.7	75.9	65.1	57.0	50.5	45.5	41.7	39.2	36.1	34.5	24.4	19.1	16.0	13.7	10.6	8.74	7.44	6.44	5.75	5.16	4.69	3.99	2.07
12V55	198.4	150.5	118.6	94.1	80.7	70.7	62.5	56.4	51.7	48.6	44.8	42.8	30.2	23.7	19.8	17.0	13.1	10.8	9.22	7.98	7.13	6.40	5.81	4.94	2.57
12V70	238.4	180.8	142.5	113.0	97.0	84.9	75.2	67.8	62.1	58.4	53.8	51.4	36.3	28.4	23.8	20.4	15.8	13.0	11.1	9.59	8.56	7.69	6.99	5.94	3.08
12V80	278.4	211.2	166.4	132.0	113.3	99.2	87.8	79.2	72.5	68.2	62.8	60.0	42.4	33.2	27.8	23.9	18.4	15.2	12.9	11.2	10.0	8.98	8.16	6.93	3.60
4V105	269.0	204.0	165.0	139.0	120.0	106.0	96.1	88.1	80.6	74.3	69.0	64.5	46.7	37.5	31.5	27.1	21.6	18.0	15.6	13.9	12.5	11.4	10.4	8.80	4.60
6V105	269.0	204.0	165.0	139.0	120.0	106.0	96.1	88.1	80.6	74.3	69.0	64.5	46.7	37.5	31.5	27.1	21.6	18.0	15.6	13.9	12.5	11.4	10.4	8.80	4.60
6V130	363.5	277.7	224.7	188.1	162.8	143.9	127.5	116.1	104.8	97.2	90.9	85.4	64.0	51.5	42.8	37.1	29.4	24.1	21.0	18.4	16.3	14.8	13.5	11.3	6.02
4V155	427.0	327.0	265.0	223.0	193.0	169.0	151.0	136.0	124.0	114.0	106.0	98.2	70.5	56.1	46.6	40.5	32.3	26.9	23.4	20.8	18.8	17.1	15.6	13.2	6.80
6V155	427.0	327.0	265.0	223.0	193.0	169.0	151.0	136.0	124.0	114.0	106.0	98.2	70.5	56.1	46.6	40.5	32.3	26.9	23.4	20.8	18.8	17.1	15.6	13.2	6.80
6V170	525.0	427.0	335.0	281.0	243.0	216.0	193.0	172.0	155.0	142.0	132.0	122.0	89.0	71.5	59.9	51.6	40.1	32.9	28.1	24.5	21.9	19.6	17.8	15.0	7.60
2V200	535.8	395.7	314.3	269.0	235.1	210.3	189.9	171.8	158.3	145.5	135.2	124.4	86.3	69.8	58.0	50.2	39.8	33.8	28.8	25.6	23.6	21.1	20.0	16.9	9.25
4V230	500.0	475.0	385.0	324.0	280.0	246.0	219.0	198.0	180.0	166.0	153.0	143.0	103.0	82.8	69.9	60.8	48.5	40.3	35.0	31.2	28.2	25.6	23.4	19.8	10.3
2V275	680.6	504.6	405.0	348.9	311.5	280.4	255.4	236.7	218.1	200.5	186.2	171.4	119.0	96.2	79.9	69.2	54.9	46.6	39.7	35.3	32.5	29.0	27.5	23.3	12.7
2V310	889.0	670.0	539.0	451.0	388.0	340.0	303.0	274.0	249.0	229.0	211.0	197.0	141.0	112.0	93.1	81.0	64.6	53.7	46.7	41.6	37.6	34.1	31.2	26.4	13.7
2V320	839.0	634.0	513.0	429.0	370.0	328.0	295.0	270.0	254.0	239.2	224.3	212.0	165.5	130.0	107.4	91.5	73.0	60.2	52.0	45.8	40.0	36.0	32.6	28.0	14.2
2V400/2	733.0	732.5	587.8	506.4	452.2	407.0	370.8	343.7	316.5	291.0	270.3	248.8	172.7	139.7	115.9	100.4	79.6	67.7	57.6	51.2	47.1	42.1	40.0	34.2	18.7
2V460/4	1000	973.0	782.0	654.0	563.0	494.0	440.0	397.0	362.0	332.0	307.0	285.0	206.0	166.0	140.0	122.0	96.9	80.6	70.1	62.4	56.4	51.2	46.9	39.6	20.5
2V460/6	1333	1005	808.0	676.0	582.0	510.0	455.0	410.0	374.0	343.0	317.0	295.0	211.0	168.0	140.0	122.0	96.9	80.6	70.1	62.4	56.4	51.2	46.9	39.6	20.5
2V500/2	481.0	481.0	481.0	481.0	481.0	481.0	432.0	396.0	369.0	344.0	325.0	326.0	239.9	194.0	162.8	141.0	111.5	93.2	79.8	70.1	62.6	56.9	51.8	43.7	22.8
2V500/6	1465	1100	874.0	719.0	617.0	540.0	478.0	434.0	401.0	372.0	348.0	326.0	238.0	194.0	160.0	141.0	111.0	93.2	77.1	67.2	62.8	53.7	51.8	47.4	21.3

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	143.5	111.5	85.6	71.8	60.7	53.4	48.1	43.5	39.9	37.0	34.5	32.7	23.6	18.4	15.3	13.2	10.2	8.37	7.17	6.24	5.58	5.01	4.55	3.87	2.05
12V55	177.8	136.8	106.0	88.9	75.2	66.1	59.6	53.9	49.4	45.8	42.6	40.5	29.3	22.8	18.9	16.3	12.7	10.4	8.88	7.74	6.91	6.21	5.64	4.80	2.54
12V70	213.7	162.0	127.4	106.9	90.4	79.5	71.6	64.7	59.4	55.1	51.0	48.6	35.2	27.4	22.7	19.6	15.2	12.5	10.7	9.30	8.31	7.46	6.78	5.77	3.05
12V80	249.6	187.2	148.8	124.8	105.6	92.8	83.7	75.6	69.3	64.3	59.3	56.8	41.1	32.0	26.6	22.9	17.8	14.6	12.5	10.9	9.70	8.71	7.92	6.73	3.57
4V105	241.0	189.0	156.0	133.0	115.0	102.0	93.2	85.8	78.7	72.7	67.4	62.8	45.6	36.9	31.0	26.7	21.2	17.7	15.4	13.7	12.4	11.2	10.3	8.70	4.50
6V105	241.0	189.0	156.0	133.0	115.0	102.0	93.2	85.8	78.7	72.7	67.4	62.8	45.6	36.9	31.0	26.7	21.2	17.7	15.4	13.7	12.4	11.2	10.3	8.70	4.50
6V130	325.6	252.4	207.0	175.4	151.5	133.8	118.6	109.8	99.7	92.1	85.8	81.6	61.2	49.1	41.4	35.9	28.5	23.8	20.4	17.9	16.0	14.5	13.2	11.3	5.95
4V155	343.0	276.0	232.0	200.0	175.0	155.0	140.0	127.0	117.0	108.0	101.0	94.0	67.8	54.7	46.0	40.0	31.8	26.5	23.1	20.5	18.5	16.8	15.4	13.0	6.70
6V155	343.0	276.0	232.0	200.0	175.0	155.0	140.0	127.0	117.0	108.0	101.0	94.0	67.8	54.7	46.0	40.0	31.8	26.5	23.1	20.5	18.5	16.8	15.4	13.0	6.70
6V170	433.0	362.0	293.0	253.0	223.0	200.0	181.0	161.0	146.0	136.0	126.0	117.0	86.0	69.1	57.7	50.0	39.1	32.3	27.7	24.1	21.3	19.1	17.3	14.5	7.40
2V200	455.6	343.7	278.1	241.9	212.5	189.9	174.1	158.3	144.7	135.7	124.4	117.0	83.8	68.6	56.7	49.5	39.3	33.8	28.7	25.5	23.6	21.1	20.0	17.2	9.08
4V230	500.0	407.0	342.0	295.0	257.0	228.0	206.0	188.0	172.0	159.0	148.0	139.0	100.0	81.3	69.0	60.0	47.7	39.8	34.6	30.8	27.8	25.2	23.1	19.5	10.1
2V275	581.0	439.2	355.1	311.5	277.2	249.2	230.5	218.1	199.4	186.9	171.3	161.2	115.5	94.6	78.1	68.2	54.1	46.5	39.5	35.1	32.6	29.1	27.5	23.4	12.5
2V310	719.0	569.0	473.0	405.0	353.0	312.0	281.0	256.0	235.0	217.0	202.0	188.0	136.0	109.0	92.0	80.0	63.6	53.0	46.2	41.1	37.0	33.6	30.8	26.0	13.5
2V320	737.0	569.0	469.0	397.0	345.0	306.0	282.0	259.0	243.0	228.6	214.9	204.0	156.5	126.0	104.6	89.6	71.4	59.2	52.0	44.8	39.4	35.2	32.0	26.8	14.1
2V400/2	843.3	637.6	515.5	452.2	402.4	361.7	334.6	316.5	289.4	271.3	248.7	234.0	167.6	137.3	113.3	99.0	78.5	67.5	57.4	50.9	47.3	42.3	40.0	33.9	18.2
2V460/4	1000	839.0	697.0	597.0	520.0	461.0	415.0	377.0	346.0	320.0	297.0	278.0	201.0	163.0	138.0	120.0	95.3	79.6	69.2	61.6	55.6	50.4	46.2	39.0	20.2
2V460/6	1078	853.0	709.0	607.0	529.0	469.0	422.0	384.0	352.0	325.0	302.0	283.0	203.0	164.0	138.0	120.0	95.3	79.6	69.2	61.6	55.6	50.4	46.2	39.0	20.2
2V500/2	440.0	440.0	440.0	440.0	440.0	440.0	402.0	369.0	344.0	322.0	305.0	289.0	217.0	171.0	141.0	124.0	99.0	84.4	71.8	63.6	59.0	52.9	50.0	42.4	22.8
2V500/6	1239	972.0	797.0	668.0	581.0	514.0	460.0	421.0	397.0	368.0	345.0	321.0	235.7	191.0	160.5	139.0	111.0	93.2	79.8	70.1	62.6	56.9	51.8	43.7	22.5

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	132.5	99.4	77.3	63.5	54.1	47.8	43.4	39.3	36.8	34.2	31.6	29.9	21.8	17.5	14.4	12.2	9.43	7.77	6.67	5.78	5.18	4.65	4.23	3.60	1.90
12V55	164.2	123.1	95.8	78.7	67.0	59.3	53.7	48.7	45.6	42.4	39.2	37.1	27.0	21.7	17.8	15.1	11.7	9.63	8.27	7.17	6.41	5.76	5.24	4.47	2.35
12V70	197.3	148.0	115.1	94.5	80.6	71.2	64.6	58.6	54.8	51.0	47.1	44.5	32.4	26.0	21.4	18.2	14.0	11.6	9.93	8.61	7.71	6.93	6.30	5.37	2.83
12V80	230.4	172.8	134.4	110.4	94.1	83.2	75.4	68.4	64.0	59.5	55.0	52.0	37.9	30.4	25.0	21.2	16.4	13.5	11.6	10.1	9.00	8.09	7.36	6.27	3.30
4V105	211.0	171.0	142.0	123.0	107.0	95.0	87.3	80.8	74.4	68.9	64.1	59.9	44.2	35.8	29.8	25.6	20.5	17.2	14.9	13.4	12.0	10.9	10.0	8.50	4.40
6V105	211.0	171.0	142.0	123.0	107.0	95.0	87.3	80.8	74.4	68.9	64.1	59.9	44.2	35.8	29.8	25.6	20.5	17.2	14.9	13.4	12.0	10.9	10.0	8.50	4.40
6V130	276.4	218.3	181.7	155.2	135.0	119.9	107.3	98.4	90.9	84.6	78.3	75.2	57.4	46.3	39.3	33.9	26.9	22.4	19.3	17.0	15.2	13.7	12.5	10.7	5.66
4V155	276.0	227.0	198.0	176.0	154.0	138.0	126.0	116.0	107.0	98.9	92.6	87.0	64.3	52.1	44.2	38.5	30.7	25.7	22.5	20.0	18.0	16.4	15.0	12.6	6.50
6V155	276.0	227.0	198.0	176.0	154.0	138.0	126.0	116.0	107.0	98.9	92.6	87.0	64.3	52.1	44.2	38.5	30.7	25.7	22.5	20.0	18.0	16.4	15.0	12.6	6.50
6V170	348.0	292.0	247.0	220.0	200.0	181.0	162.0	147.0	134.0	125.0	117.0	109.0	81.0	65.6	55.1	47.7	37.3	30.8	26.5	23.1	20.5	18.5	16.8	14.2	7.20
2V200	371.9	288.3	237.4	208.0	187.7	167.3	153.7	142.4	131.1	122.1	113.0	103.5	75.6	63.0	51.9	46.1	36.4	31.5	26.7	23.7	21.8	19.4	18.2	15.8	8.53
4V230	414.0	340.0	296.0	263.0	231.0	207.0	189.0	173.0	160.0	148.0	139.0	131.0	96.4	78.2	66.3	57.7	46.0	38.6	33.7	30.0	27.0	24.5	22.5	18.9	9.80
2V275	495.3	380.0	311.5	274.1	246.1	224.3	205.6	196.2	180.7	168.2	155.8	142.6	104.1	86.8	71.4	63.6	50.1	43.4	36.9	32.6	30.1	26.7	25.1	21.7	11.7
2V310	572.0	466.0	403.0	356.0	312.0	278.0	253.0	233.0	214.0	199.0	186.0	175.0	129.0	104.0	88.4	76.9	61.3	51.5	44.9	40.0	36.1	32.7	30.0	25.2	13.1
2V320	634.0	510.0	422.0	358.0	311.0	279.0	257.0	238.0	223.0	209.2	199.5	189.0	142.7	118.0	98.9	86.1	68.2	56.3	49.5	44.0	37.8	33.5	30.7	26.2	13.4
2V400/2	719.0	551.7	452.2	397.9	357.2	325.6	298.4	284.9	262.3	244.2	226.1	207.0	151.1	126.0	103.6	92.3	72.7	63.0	53.5	47.3	43.7	38.8	36.5	31.5	17.1
2V460/4	858.0	700.0	605.0	534.0	468.0	417.0	380.0	349.0	322.0	298.0	279.0	262.0	193.0	156.0	133.0	115.0	92.0	77.2	67.4	60.0	54.1	49.1	45.0	37.9	19.6
2V460/6	858.0	700.0	605.0	534.0	468.0	417.0	380.0	349.0	322.0	298.0	279.0	262.0	193.0	156.0	133.0	115.0	92.0	77.2	67.4	60.0	54.1	49.1	45.0	37.9	19.6
2V500/2	393.0	393.0	393.0	393.0	393.0	393.0	360.0	333.0	311.0	292.0	275.0	246.0	198.0	158.0	130.0	115.0	91.0	78.8	66.9	59.1	54.5	48.5	45.6	39.4	21.4
2V500/6	1028	848.0	719.0	615.0	537.0	478.0	434.0	396.0	368.0	345.0	323.0	300.0	225.6	182.0	154.6	134.0	106.5	88.1	75.2	66.0	58.9	53.3	48.6	40.9	21.1

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	394.3	250.0	193.8	163.4	136.8	118.6	102.8	92.5	84.5	77.1	71.1	67.1	48.4	38.2	31.7	27.0	21.0	17.7	14.9	12.9	11.4	10.4	9.41	8.00	4.18
12V55	475.0	312.6	242.3	204.3	171.0	148.2	127.3	114.6	104.7	95.6	88.1	83.2	60.6	48.3	40.1	34.2	26.8	22.1	18.6	16.2	14.3	12.8	11.8	9.91	5.18
12V70	560.5	379.5	292.1	239.9	204.3	174.8	154.1	138.8	126.7	115.7	106.7	100.7	73.4	58.5	48.5	41.4	32.4	26.8	22.6	19.6	17.3	15.5	14.2	12.0	6.27
12V80	646.0	446.5	342.0	275.5	237.5	201.4	178.7	160.9	146.9	134.1	123.7	116.7	85.1	67.8	56.2	48.0	37.6	31.1	26.2	22.7	20.1	18.0	16.5	13.9	7.27
4V105	569.0	406.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	569.0	406.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	725.0	576.5	465.7	387.0	334.4	288.9	256.6	231.3	211.5	192.4	178.1	165.9	125.2	100.6	83.9	72.9	57.9	48.0	40.8	35.8	31.7	28.8	26.2	22.1	11.8
4V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1148	858.0	682.0	569.0	483.0	418.0	369.0	336.0	306.0	279.0	261.0	245.0	176.0	141.5	118.6	102.3	79.6	65.5	56.3	50.1	44.5	40.0	36.2	30.4	15.3
2V200	1123	824.9	652.8	538.1	470.3	419.4	374.2	339.1	312.0	290.0	266.0	244.0	171.0	141.0	115.0	100.0	78.0	67.0	55.0	49.0	45.5	40.7	38.6	32.8	17.9
4V230	900.0	900.0	743.0	620.0	532.0	465.0	414.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1466	1072	849.6	713.3	631.6	566.9	510.1	467.3	429.9	399.0	366.0	336.0	236.0	194.0	158.0	138.0	108.0	92.0	76.0	68.0	62.7	56.0	53.1	45.1	24.7
2V310	1755	1305	1044	870.0	746.0	653.0	581.0	523.0	477.0	437.0	404.0	376.0	270.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1835	1366	1092	899.0	760.0	671.0	593.0	536.0	495.0	465.0	433.0	411.0	303.0	254.0	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1201	1201	1200	1035	916.8	823.0	740.5	678.3	624.0	580.0	532.0	487.0	342.0	282.0	229.0	200.0	157.0	134.0	111.0	99.0	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1491	1243	1066	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2632	1958	1566	1305	1119	979.0	872.0	785.0	715.0	656.0	606.0	564.0	405.0	324.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	957.0	957.0	957.0	957.0	957.0	957.0	851.0	773.0	709.0	669.0	630.0	591.0	441.0	353.0	286.0	250.0	196.0	168.0	139.0	124.0	113.6	101.6	96.5	82.9	45.4
2V500/6	3105	2289	1801	1487	1255	1110	974.0	878.0	795.0	744.3	693.7	621.5	456.3	371.4	311.5	269.9	215.0	179.3	154.9	135.6	121.1	109.9	100.2	84.7	44.4

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	394.3	250.0	193.8	163.4	136.8	118.6	102.8	92.5	84.5	77.1	71.1	67.1	48.4	38.2	31.7	27.0	21.0	17.7	14.9	12.9	11.4	10.4	9.41	8.00	4.18
12V55	475.0	312.6	242.3	204.3	171.0	148.2	127.3	114.6	104.7	95.6	88.1	83.2	60.6	48.3	40.1	34.2	26.8	22.1	18.6	16.2	14.3	12.8	11.8	9.91	5.18
12V70	560.5	379.5	292.1	239.9	204.3	174.8	154.1	138.8	126.7	115.7	106.7	100.7	73.4	58.5	48.5	41.4	32.4	26.8	22.6	19.6	17.3	15.5	14.2	12.0	6.27
12V80	646.0	446.5	342.0	275.5	237.5	201.4	178.7	160.9	146.9	134.1	123.7	116.7	85.1	67.8	56.2	48.0	37.6	31.1	26.2	22.7	20.1	18.0	16.5	13.9	7.27
4V105	569.0	406.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	569.0	406.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	725.0	576.5	465.7	387.0	334.4	288.9	256.6	231.3	211.5	192.4	178.1	165.9	125.2	100.6	83.9	72.9	57.9	48.0	40.8	35.8	31.7	28.8	26.2	22.1	11.8
4V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1105	846.0	673.0	563.0	482.0	417.0	367.0	335.0	305.0	279.0	261.0	245.0	176.0	141.1	118.2	101.9	79.2	65.3	56.1	49.9	44.4	39.9	36.1	30.3	15.3
2V200	1123	824.9	652.8	538.1	470.3	419.4	374.2	339.1	312.0	290.0	266.0	244.0	171.0	141.0	115.0	100.0	78.0	67.0	55.0	49.0	45.5	40.7	38.6	32.8	17.9
4V230	900.0	900.0	743.0	620.0	532.0	465.0	414.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1466	1072	849.6	713.3	631.6	566.9	510.1	467.3	429.9	399.0	366.0	336.0	236.0	194.0	158.0	138.0	108.0	92.0	76.0	68.0	62.7	56.0	53.1	45.1	24.7
2V310	1755	1305	1044	870.0	746.0	653.0	581.0	523.0	477.0	437.0	404.0	376.0	270.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1768	1328	1071	886.0	748.0	663.0	593.0	539.0	495.0	465.0	433.0	411.0	303.0	254.0	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1201	1201	1200	1035	916.8	823.0	740.5	678.3	624.0	580.0	532.0	487.0	342.0	282.0	229.0	200.0	157.0	134.0	111.0	99.0	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1491	1243	1066	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2632	1958	1566	1305	1119	979.0	872.0	785.0	715.0	656.0	606.0	564.0	405.0	324.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	957.0	957.0	957.0	957.0	957.0	957.0	851.0	773.0	709.0	669.0	630.0	591.0	441.0	353.0	286.0	250.0	196.0	168.0	139.0	124.0	113.6	101.6	96.5	82.9	45.4
2V500/6	3105	2289	1801	1487	1255	1110	974.0	878.0	795.0	744.3	693.7	621.5	456.3	371.4	311.5	269.9	215.0	179.3	154.9	135.6	121.1	109.9	100.2	84.7	44.4

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	384.8	243.2	191.5	161.1	134.5	115.5	102.8	92.5	84.5	77.1	71.1	67.1	48.4	38.2	31.7	27.0	21.0	17.7	14.9	12.9	11.4	10.4	9.41	8.00	4.18
12V55	465.5	304.0	239.4	201.4	168.2	144.4	127.3	114.6	104.7	95.6	88.1	83.2	60.6	48.3	40.1	34.2	26.8	22.1	18.6	16.2	14.3	12.8	11.8	9.91	5.18
12V70	543.9	370.5	289.8	236.1	201.9	172.0	154.1	138.8	126.7	115.7	106.7	100.7	73.4	58.5	48.5	41.4	32.4	26.8	22.6	19.6	17.3	15.5	14.2	12.0	6.27
12V80	622.3	437.0	340.1	270.8	235.6	199.5	178.7	160.9	146.9	134.1	123.7	116.7	85.1	67.8	56.2	48.0	37.6	31.1	26.2	22.7	20.1	18.0	16.5	13.9	7.27
4V105	557.0	401.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	557.0	401.0	318.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	714.3	562.0	455.9	383.4	330.0	287.7	255.5	230.1	212.4	194.1	179.4	167.2	125.2	100.6	83.9	72.9	57.9	48.0	40.8	35.8	31.9	28.8	26.2	22.1	11.8
4V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	869.0	649.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1081	830.0	666.0	559.0	479.0	416.0	365.0	334.0	304.0	279.0	262.0	245.0	176.0	140.7	118.0	101.7	79.0	65.1	55.9	49.8	44.3	39.7	36.0	30.3	15.3
2V200	1072	797.6	631.9	538.1	470.3	419.4	374.2	339.1	312.0	289.9	265.9	243.6	171.2	141.0	114.5	100.1	78.3	67.0	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	900.0	900.0	743.0	620.0	532.0	465.0	414.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1372	1034	827.0	713.3	631.6	566.9	510.1	467.3	429.9	399.4	366.3	335.6	235.9	194.3	157.6	137.9	108.0	92.3	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1754	1305	1044	870.0	746.0	653.0	581.0	523.0	477.0	437.0	404.0	376.0	270.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1735	1310	1058	877.0	743.0	661.0	593.0	539.0	495.0	465.0	433.0	411.0	303.0	254.0	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1201	1201	1200	1035	916.8	823.0	740.5	678.3	624.0	579.7	531.8	487.1	342.4	282.0	229.0	200.1	156.9	134.0	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1491	1243	1066	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2630	1958	1566	1305	1119	979.0	872.0	785.0	715.0	656.0	606.0	564.0	405.0	324.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	957.0	957.0	957.0	957.0	957.0	957.0	851.0	773.0	709.0	669.0	630.0	591.0	441.0	353.0	286.0	250.0	196.0	168.0	139.0	124.0	113.6	101.6	96.5	82.9	45.4
2V500/6	3021	2277	1801	1486	1255	1110	974.0	878.0	795.0	744.3	693.7	621.5	456.3	371.4	311.5	269.9	215.0	179.3	154.9	135.6	121.1	109.9	100.2	84.7	44.4

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	370.7	239.2	190.9	160.2	133.6	114.9	101.6	91.8	83.6	76.7	70.8	66.5	47.9	38.0	31.5	26.9	20.9	17.5	14.8	12.9	11.4	10.3	9.37	7.97	4.17
12V55	454.1	299.1	238.6	200.3	167.0	143.6	125.9	113.7	103.6	95.1	87.7	82.3	60.1	47.7	39.6	33.8	26.5	21.8	18.5	16.0	14.2	12.8	11.7	9.87	5.16
12V70	531.5	365.2	287.9	234.7	200.7	171.6	152.4	137.6	125.4	115.1	106.2	99.7	73.0	58.0	48.1	41.1	32.2	26.5	22.5	19.5	17.2	15.5	14.1	12.0	6.25
12V80	609.0	431.3	337.1	269.2	234.5	199.5	177.7	160.0	145.8	133.4	123.4	115.6	85.1	67.5	56.0	47.8	37.5	30.8	26.2	22.7	20.0	17.9	16.4	13.9	7.25
4V105	546.0	396.0	316.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	546.0	396.0	316.0	265.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	699.8	551.4	448.7	377.7	325.1	284.4	253.1	227.8	209.9	193.2	178.0	166.6	125.2	100.6	83.9	72.9	57.9	48.0	40.8	35.8	31.8	28.8	26.2	22.1	11.8
4V155	865.0	648.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	865.0	648.0	520.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1041	828.0	660.0	552.0	474.0	413.0	363.0	332.0	303.0	280.0	260.0	243.0	175.0	140.4	117.8	101.5	78.8	64.9	55.7	49.5	44.2	39.7	35.9	30.3	15.3
2V200	1050	780.7	620.2	529.1	463.0	413.1	371.5	337.3	309.7	288.8	265.8	242.4	171.2	141.0	114.5	100.1	78.3	67.0	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	1000	1000	837.0	691.0	589.0	514.0	455.0	408.0	371.0	339.0	313.0	290.0	209.0	168.0	141.0	122.0	97.3	80.9	70.5	62.7	56.7	51.6	47.2	39.8	20.6
2V275	1346	1015	813.0	705.2	623.8	560.1	505.4	464.8	426.8	397.9	366.2	334.0	235.9	194.3	157.6	137.9	108.0	92.3	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1749	1305	1044	870.0	746.0	653.0	581.0	523.0	477.0	437.0	404.0	376.0	270.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1696	1282	1038	866.0	737.0	656.0	587.0	535.0	495.0	465.0	433.0	411.0	303.0	254.0	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1180	1180	1180	1023	905.5	813.0	733.7	674.7	619.5	577.5	531.6	484.9	342.4	282.0	229.0	200.1	156.9	134.0	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1491	1243	1066	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2624	1958	1566	1305	1119	979.0	872.0	785.0	715.0	656.0	606.0	564.0	405.0	324.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	943.4	943.4	943.4	943.4	943.4	943.4	841.0	764.6	706.6	664.2	622.8	585.4	441.0	353.0	286.0	250.0	196.0	168.0	139.0	124.0	113.6	101.6	96.5	82.9	45.4
2V500/6	2938	2217	1759	1464	1250	1110	974.0	878.0	795.0	744.3	693.7	621.5	456.3	371.4	311.5	269.9	215.0	179.3	154.9	135.6	121.1	109.9	100.2	84.7	44.4

Constant Power (Watts per cell) to 1.69Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	356.6	235.3	190.3	159.3	132.7	114.3	100.5	91.0	82.7	76.3	70.4	65.8	47.5	37.8	31.4	26.8	20.8	17.3	14.7	12.8	11.3	10.3	9.34	7.94	4.15
12V55	442.7	294.1	237.9	199.1	165.9	142.9	124.5	112.8	102.5	94.6	87.2	81.5	59.5	47.1	39.1	33.3	26.2	21.5	18.4	15.9	14.1	12.7	11.6	9.84	5.15
12V70	519.2	359.9	286.0	233.4	199.6	171.2	150.7	136.5	124.1	114.5	105.6	98.7	72.7	57.5	47.7	40.7	31.9	26.2	22.4	19.4	17.2	15.4	14.0	11.9	6.23
12V80	595.7	425.6	334.0	267.7	233.3	199.5	176.7	159.1	144.6	132.7	123.1	114.4	85.1	67.2	55.8	47.6	37.3	30.6	26.2	22.7	20.0	17.9	16.3	13.8	7.22
4V105	531.0	391.0	314.0	264.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	531.0	391.0	314.0	264.0	226.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	685.3	540.7	441.5	372.1	320.2	281.1	250.8	225.6	207.4	192.3	176.6	166.1	125.2	100.6	83.9	72.9	57.9	48.0	40.8	35.7	31.7	28.8	26.2	22.1	11.8
4V155	853.0	643.0	518.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	853.0	643.0	518.0	434.0	372.0	326.0	290.0	261.0	238.0	218.0	202.0	188.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1019	810.0	646.0	545.0	469.0	411.0	362.0	330.0	301.0	279.0	259.0	241.0	174.0	139.9	117.5	101.2	78.3	64.6	55.6	49.3	44.1	39.6	35.8	30.2	15.3
2V200	1027	763.8	608.4	520.0	455.8	406.7	368.8	335.5	307.5	287.7	265.7	241.3	171.2	141.0	114.5	100.1	78.3	67.0	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	900.0	900.0	740.0	619.0	531.0	465.0	414.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1320	996.5	799.0	697.1	616.0	553.2	500.7	462.3	423.6	396.4	366.1	332.5	235.9	194.3	157.6	137.9	108.0	92.3	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1739	1302	1044	870.0	746.0	653.0	581.0	523.0	477.0	437.0	404.0	376.0	270.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1660	1256	1022	854.7	731.7	649.3	581.0	532.3	495.0	465.0	433.0	411.0	303.0	254.0	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1160	1160	1159	1012	894.2	803.1	726.9	671.0	615.0	575.4	531.4	482.6	342.3	282.0	229.0	200.1	156.9	134.0	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1491	1243	1066.0	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2609	1952	1566	1305	1119.0	979	872.0	785.0	715.0	656.0	606.0	564.0	405.0	324.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	929.8	929.8	929.8	929.8	929.8	929	831.0	756.2	704.2	659.4	615.6	579.8	441.0	353.0	286.0	250.0	196.0	168.0	139.0	124.0	113.6	101.6	96.4	82.9	45.4
2V500/6	2854	2156	1717	1440	1245.3	1110	974.0	878.0	795.0	744.3	693.7	621.5	456.3	371.4	311.5	269.9	215.0	179.3	154.9	135.6	121.1	109.9	100.2	84.7	44.4

Constant Power (Watts per cell) to 1.71Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	342.4	230.7	188.5	156.7	131.6	113.2	99.1	89.8	81.7	75.6	69.7	65.3	47.2	37.7	31.3	26.7	20.8	17.2	14.6	12.8	11.3	10.2	9.30	7.90	4.14
12V55	426.6	288.4	235.6	195.9	164.5	141.6	122.7	111.3	101.2	93.7	86.7	81.1	59.2	46.8	38.9	33.2	26.0	21.3	18.3	15.9	14.0	12.7	11.5	9.79	5.13
12V70	501.1	353.2	281.8	229.9	197.7	169.8	148.5	134.8	122.5	113.4	104.9	97.8	72.3	57.1	47.4	40.5	31.7	26.0	22.3	19.3	17.1	15.3	13.9	11.8	6.21
12V80	575.7	418.0	327.9	263.9	230.9	198.0	174.4	157.1	142.8	131.6	122.1	113.3	84.7	66.9	55.5	47.4	37.1	30.4	26.0	22.6	19.9	17.8	16.3	13.7	7.21
4V105	515.0	386.0	311.0	262.0	225.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	515.0	386.0	311.0	262.0	225.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	669.6	529.1	432.5	364.8	314.6	277.3	247.4	223.2	204.5	190.3	175.1	165.1	124.6	100.3	83.7	72.6	57.8	47.7	40.8	35.7	31.7	28.8	26.2	22.1	11.8
4V155	832.0	632.0	511.0	429.0	370.0	325.0	289.0	260.0	237.0	218.0	201.0	187.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	832.0	632.0	511.0	429.0	370.0	325.0	289.0	260.0	237.0	218.0	201.0	187.0	135.0	108.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	1000	792.0	632.0	535.0	460.0	407.0	360.0	326.0	299.0	273.0	257.0	239.0	173.0	139.1	117.1	100.9	78.0	64.2	55.4	48.9	43.7	39.3	35.6	30.0	15.3
2V200	1001	745.8	595.8	510.7	448.3	400.6	364.2	331.7	303.9	284.1	263.0	239.1	169.5	139.5	113.8	99.3	77.9	66.6	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	900.0	900.0	733.0	615.0	530.0	465.0	414.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1284	970.3	780.2	682.2	604.3	543.6	493.3	457.0	418.7	391.4	362.4	329.4	233.7	192.1	156.7	136.8	107.5	91.7	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1705	1283	1032	864.0	742.0	651.0	579.0	522.0	475.0	436.0	403.0	375.0	269.0	216.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1616	1226	1003	840.6	723.0	642.0	575.0	528.4	493.6	467.0	433.0	411.0	303.0	254.2	208.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1182	1182	1132	990.3	877.2	789.1	716.0	663.4	607.7	568.2	526.1	478.2	339.1	278.9	227.6	198.7	156.0	133.2	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1479	1238	1064	933.0	830.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2557	1925	1549	1296	1114	976.0	869.0	783.0	713.0	654.0	605.0	562.0	404.0	323.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	914.2	914.2	914.2	914.2	914.2	914.2	818.8	746.6	699.4	653.6	610.4	575.4	440.2	349.2	284.4	248.2	195.0	167.0	139.0	124.0	113.6	101.6	96.4	82.9	45.4
2V500/6	2765	2102	1682	1415	1229	1094	965.0	869.6	790.2	740.4	690.6	620.2	456.2	371.3	311.5	269.9	214.5	179.3	154.3	135.6	121.1	109.8	100.2	84.6	44.4

Constant Power (Watts per cell) to 1.73Vpc at 20°C

Battery Type	Standby Time (Minutes)											Standby Time (Hours)													
	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	327.9	225.6	185.4	152.5	130.4	111.7	97.6	88.3	80.5	74.5	68.8	64.9	47.2	37.7	31.3	26.7	20.8	17.2	14.6	12.8	11.3	10.2	9.27	7.84	4.13
12V55	405.7	282.0	231.8	190.6	163.0	139.7	120.4	109.4	99.8	92.4	85.9	81.0	59.2	47.1	39.0	33.3	26.1	21.4	18.2	15.9	14.0	12.7	11.5	9.74	5.13
12V70	477.4	345.2	275.3	224.2	195.0	167.3	145.8	132.4	120.8	111.8	104.0	97.0	71.7	56.9	47.3	40.4	31.6	26.0	22.1	19.2	17.0	15.3	13.9	11.7	6.18
12V80	549.1	408.5	318.8	257.8	227.1	194.9	170.8	154.0	140.4	130.2	120.4	112.4	83.9	66.4	55.3	47.2	36.9	30.4	25.8	22.5	19.9	17.8	16.2	13.7	7.19
4V105	499.0	380.0	309.0	261.0	225.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	499.0	380.0	309.0	261.0	225.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	652.9	516.6	421.8	355.9	308.3	272.8	242.9	220.8	201.0	187.2	173.7	163.7	123.6	99.7	83.2	72.2	57.4	47.2	40.8	35.8	31.7	28.8	26.2	22.1	11.8
4V155	802.0	616.0	501.0	422.0	364.0	321.0	287.0	259.0	236.0	216.0	200.0	186.0	134.0	107.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	802.0	616.0	501.0	422.0	364.0	321.0	287.0	259.0	236.0	216.0	200.0	186.0	134.0	107.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	966.0	768.0	618.0	523.0	453.0	401.0	360.0	323.0	295.0	270.0	254.0	237.0	172.0	138.2	116.5	100.4	77.9	64.0	55.2	48.6	43.5	39.0	35.4	29.9	15.2
2V200	969.6	726.7	582.2	501.2	440.7	394.8	357.9	325.8	298.9	278.0	257.8	235.9	166.3	136.4	112.4	97.8	77.1	65.8	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	900.0	888.0	722.0	608.0	526.0	463.0	413.0	373.0	340.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1238	936.8	756.5	660.4	588.7	531.1	483.0	448.9	411.8	383.1	355.2	325.0	229.2	187.9	154.8	134.8	106.4	90.6	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1649	1251	1012	850.0	733.0	644.0	575.0	518.0	472.0	433.0	400.0	372.0	268.0	215.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1563	1193	981.0	823.8	711.0	634.0	569.0	523.2	490.8	459.0	433.0	411.0	303.0	254.6	204.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1246	1246	1098	958.6	854.6	771.0	701.1	651.6	597.8	556.1	515.6	471.8	332.8	272.8	224.8	195.7	154.4	131.5	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1800	1459	1226	1057	929.0	829.0	748.0	681.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2474	1877	1518	1275	1099	967.0	862.0	778.0	708.0	650.0	601.0	558.0	402.0	322.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	896.6	896.6	896.6	896.6	896.6	896.6	804.4	735.8	692.2	646.8	607.2	572.2	438.6	341.6	281.2	244.6	193.0	165.0	139.0	124.0	113.6	101.6	96.4	82.9	45.4
2V500/6	2672	2056	1654	1387	1201	1064	947.0	852.8	780.6	732.5	684.5	616.9	456.0	371.3	311.4	269.9	214.5	179.3	154.2	135.6	121.0	109.8	100.2	84.6	44.4

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	313.5	220.4	182.4	148.2	129.2	110.2	96.1	86.7	79.3	73.5	67.8	64.6	47.2	37.7	31.3	26.7	20.9	17.2	14.6	12.8	11.3	10.2	9.23	7.79	4.12
12V55	384.8	275.5	228.0	185.3	161.5	137.8	118.2	107.4	98.3	91.1	85.2	81.0	59.2	47.3	39.2	33.5	26.1	21.5	18.2	15.9	14.0	12.7	11.5	9.69	5.12
12V70	453.6	337.3	268.9	218.5	192.4	164.8	143.1	130.1	119.0	110.2	103.1	96.2	71.1	56.6	47.1	40.2	31.4	25.9	21.9	19.1	16.9	15.2	13.8	11.6	6.15
12V80	522.5	399.0	309.7	251.8	223.3	191.9	167.2	150.8	138.0	128.7	118.8	111.5	83.1	65.9	55.0	47.0	36.7	30.3	25.5	22.4	19.8	17.8	16.1	13.6	7.18
4V105	484.0	373.0	305.0	259.0	224.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	484.0	373.0	305.0	259.0	224.0	198.0	179.0	164.0	152.0	141.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	636.1	504.0	411.1	347.0	302.0	268.3	238.4	218.3	197.5	184.2	172.2	162.2	122.5	99.1	82.6	71.8	57.1	46.7	40.8	35.8	31.7	28.8	26.2	22.1	11.8
4V155	759.0	591.0	485.0	411.0	356.0	315.0	282.0	256.0	234.0	215.0	199.0	185.0	133.0	107.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	759.0	591.0	485.0	411.0	356.0	315.0	282.0	256.0	234.0	215.0	199.0	185.0	133.0	107.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	920.0	747.0	598.0	511.0	445.0	396.0	358.0	320.0	291.0	268.0	251.0	234.0	170.0	137.3	115.7	99.7	77.5	63.8	54.9	48.3	43.1	38.7	35.1	29.6	15.1
2V200	938.3	707.7	568.6	491.8	433.0	388.9	351.6	319.9	293.9	272.0	252.6	232.7	163.0	133.4	111.1	96.4	76.3	64.9	55.4	49.3	45.5	40.7	38.6	32.8	17.9
4V230	900.0	858.0	704.0	596.0	517.0	457.0	410.0	371.0	339.0	312.0	288.0	268.0	195.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1191	903.4	732.8	638.6	573.2	518.7	472.7	440.8	405.0	374.7	348.0	320.5	224.8	183.7	152.9	132.8	105.3	89.5	76.3	67.9	62.7	56.0	53.1	45.1	24.7
2V310	1582	1212	985.0	831.0	719.0	634.0	567.0	513.0	468.0	430.0	398.0	370.0	267.0	214.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1510	1160	959.0	807.0	699.0	626.0	563.0	518.0	488.0	462.0	433.0	411.0	303.0	255.0	203.0	180.0	144.0	119.0	104.6	92.0	79.6	71.4	65.2	53.6	28.4
2V400/2	1311	1311	1063	927.0	832.0	752.9	686.2	639.8	587.8	543.9	505.2	465.3	326.4	266.7	221.9	192.7	152.8	129.9	110.7	98.6	91.0	81.3	77.2	66.4	36.3
2V460/4	1800	1760	1430	1206	1044	920.0	823.0	745.0	680.0	625.0	578.0	537.0	390.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	2373	1818	1478	1246	1079	950.0	851.0	770.0	702.0	646.0	597.0	555.0	400.0	321.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	879.0	879.0	879.0	879.0	879.0	879.0	790.0	725.0	685.0	640.0	604.0	569.0	437.0	334.0	278.0	241.0	191.0	163.0	139.0	124.0	113.6	101.6	96.4	82.9	45.4
2V500/6	2580	2010	1627	1359	1173	1034	929.0	836.0	771.0	724.7	678.3	614.4	456.0	371.3	311.4	269.8	214.5	179.3	154.2	135.6	121.0	109.8	100.2	84.6	44.4

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	273.6	201.4	167.2	140.6	119.3	104.9	90.4	81.1	74.3	69.0	64.7	61.3	44.8	35.7	29.5	25.4	19.7	16.0	13.8	12.0	10.6	9.59	8.73	7.39	3.89
12V55	342.0	251.8	209.0	175.8	149.2	131.1	112.0	100.4	92.1	85.5	80.1	76.4	55.8	44.5	36.8	31.6	24.5	19.9	17.1	14.9	13.2	11.9	10.8	9.11	4.80
12V70	399.0	301.6	244.6	205.2	178.6	154.9	135.5	121.6	111.5	103.5	97.0	91.4	67.0	54.0	44.6	38.2	29.8	24.2	20.7	18.0	15.9	14.4	13.0	11.0	5.77
12V80	456.0	351.5	280.3	234.7	208.1	178.6	157.2	141.0	129.3	120.0	112.5	106.4	78.3	63.5	52.5	44.9	35.0	28.5	24.3	21.2	18.7	16.8	15.2	12.8	6.74
4V105	443.0	353.0	293.0	251.0	219.0	194.0	178.0	164.0	151.0	140.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V105	443.0	353.0	293.0	251.0	219.0	194.0	178.0	164.0	151.0	140.0	130.0	121.0	88.0	70.9	59.6	51.4	41.3	34.5	30.0	26.7	24.2	22.0	20.2	17.1	8.90
6V130	586.1	465.7	382.9	327.2	284.0	251.5	223.6	208.1	189.4	176.0	164.4	156.4	117.8	95.0	80.3	69.8	55.4	46.3	39.7	34.8	31.2	28.2	25.8	22.1	11.7
4V155	626.0	509.0	431.0	374.0	328.0	292.0	264.0	242.0	222.0	206.0	192.0	180.0	131.0	106.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V155	626.0	509.0	431.0	374.0	328.0	292.0	264.0	242.0	222.0	206.0	192.0	180.0	131.0	106.0	88.7	76.9	61.6	51.4	44.8	39.9	36.1	32.9	30.1	25.4	13.2
6V170	781.0	652.0	534.0	460.0	411.0	375.0	339.0	305.0	278.0	259.0	241.0	225.0	165.0	132.7	112.0	97.1	75.9	63.1	54.2	47.4	42.0	37.6	34.0	28.7	14.6
2V200	819.6	625.1	508.7	447.7	395.7	355.0	326.7	297.3	271.3	254.4	234.0	219.9	159.2	131.7	109.1	95.5	76.1	65.5	55.6	49.4	45.8	41.0	38.8	33.4	17.7
4V230	900.0	751.0	636.0	551.0	484.0	431.0	390.0	356.0	328.0	304.0	284.0	266.0	194.0	158.0	133.0	115.0	92.4	77.1	67.3	59.9	54.2	49.3	45.1	38.1	19.8
2V275	1045	803.7	656.5	576.3	518.7	465.7	430.7	409.6	373.8	350.4	322.4	303.0	219.4	181.5	150.4	131.6	104.8	90.2	76.6	68.1	63.1	56.5	53.3	45.3	24.3
2V310	1311	1050	879.0	757.0	663.0	590.0	533.0	486.0	447.0	414.0	386.0	361.0	262.0	212.0	177.0	154.0	123.0	103.0	89.7	79.8	72.3	65.7	60.2	50.8	26.5
2V320	1349	1070	891.0	758.0	662.0	591.0	541.0	500.0	471.0	446.0	417.0	398.0	298.0	247.0	198.0	177.0	141.0	117.0	102.5	89.5	78.4	69.2	64.0	53.6	28.2
2V400/2	1517	1166	953.0	836.5	752.9	676.0	625.1	594.6	542.6	508.7	468.0	439.9	318.5	263.5	218.1	191.0	152.0	131.0	111.3	98.8	91.7	82.0	77.6	65.7	35.3
2V460/4	1800	1549	1297	1117	978.0	870.0	786.0	717.0	660.0	611.0	569.0	533.0	388.0	316.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V460/6	1966	1575	1319	1136	994.0	884.0	799.0	729.0	671.0	621.0	579.0	542.0	393.0	319.0	266.0	231.0	185.0	154.0	135.0	120.0	108.0	98.6	90.3	76.2	39.7
2V500/2	810.0	810.0	810.0	810.0	810.0	810.0	739.0	690.0	644.0	603.0	572.0	541.0	414.0	330.0	273.0	239.0	190.0	163.0	139.0	124.0	114.5	101.9	96.4	82.1	44.1
2V500/6	2254	1778	1471	1255	1104	983.0	894.0	825.0	762.0	718.7	675.3	609.0	451.1	367.3	309.5	268.4	214.4	179.3	154.2	135.6	121.0	109.8	100.2	84.5	43.8

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
12V45	235.6	173.3	144.4	126.2	104.9	95.0	80.6	72.5	67.3	62.2	58.5	55.0	40.7	31.2	27.0	23.1	18.2	14.9	12.7	11.1	10.0	8.96	8.17	6.94	3.73
12V55	294.5	216.6	180.5	157.7	131.1	118.8	94.4	85.8	79.2	72.6	69.6	68.1	50.4	37.9	33.4	28.6	22.6	18.6	15.9	13.9	12.5	11.2	10.2	8.65	4.65
12V70	344.4	260.3	212.8	183.4	158.2	140.1	118.6	107.8	96.7	92.5	87.0	81.8	62.6	47.0	40.1	34.4	27.2	22.3	19.1	16.7	14.9	13.4	12.2	10.3	5.55
12V80	394.3	304.0	245.1	209.0	185.3	161.5	137.5	124.9	112.1	107.3	100.9	95.6	74.8	56.1	46.9	40.2	31.8	26.1	22.3	19.4	17.3	15.6	14.2	12.0	6.46
4V105	395.0	324.0	271.0	235.0	206.0	183.0	169.0	157.0	144.0	134.0	125.0	117.0	86.8	70.4	58.9	50.6	40.6	34.1	29.7	26.6	23.9	21.8	20.0	16.9	8.80
6V105	395.0	324.0	271.0	235.0	206.0	183.0	169.0	157.0	144.0	134.0	125.0	117.0	86.8	70.4	58.9	50.6	40.6	34.1	29.7	26.6	23.9	21.8	20.0	16.9	8.80
6V130	511.4	408.3	341.7	293.4	256.6	227.8	204.9	188.5	174.9	162.8	151.0	145.5	111.0	90.0	76.5	66.1	52.5	43.9	37.7	33.3	29.6	26.9	24.6	21.0	11.2
4V155	515.0	427.0	374.0	333.0	294.0	263.0	241.0	222.0	206.0	191.0	179.0	169.0	125.0	102.0	87.0	75.9	60.7	51.0	44.6	39.8	35.8	32.5	29.8	25.2	13.1
6V155	515.0	427.0	374.0	333.0	294.0	263.0	241.0	222.0	206.0	191.0	179.0	169.0	125.0	102.0	87.0	75.9	60.7	51.0	44.6	39.8	35.8	32.5	29.8	25.2	13.1
6V170	645.0	542.0	457.0	408.0	371.0	342.0	307.0	281.0	258.0	241.0	226.0	211.0	157.0	126.9	107.2	93.1	72.9	60.5	52.1	45.5	40.5	36.5	33.2	28.0	14.2
2V200	687.9	536.0	444.3	390.0	352.7	316.5	290.5	269.0	247.6	230.6	213.7	195.8	144.8	122.2	100.8	89.9	70.9	61.4	52.2	46.2	42.6	37.9	35.5	30.7	16.6
4V230	772.0	640.0	560.0	500.0	441.0	395.0	362.0	334.0	308.0	287.0	269.0	253.0	188.0	153.0	130.0	114.0	91.0	76.6	66.9	59.6	53.8	48.8	44.8	37.8	19.7
2V275	916.1	710.5	582.5	515.5	462.6	423.6	388.6	370.7	341.1	317.7	294.4	269.7	199.4	168.3	138.8	123.8	97.7	84.6	71.9	63.6	58.6	52.2	49.0	42.3	22.9
2V310	1069	878.0	763.0	677.0	596.0	532.0	486.0	448.0	414.0	384.0	360.0	339.0	251.0	205.0	174.0	152.0	121.0	102.0	89.3	79.5	71.7	65.1	59.7	50.4	26.2
2V320	1192	969.0	810.0	687.0	600.0	541.0	501.0	464.0	435.0	408.0	386.0	370.0	286.0	232.0	192.0	170.0	134.0	111.0	98.6	87.8	75.2	67.0	61.4	51.5	26.8
2V400/2	1329	1031	845.6	748.4	671.5	615.0	564.1	538.1	495.1	461.2	427.3	391.5	289.4	244.4	201.5	179.8	141.8	122.9	104.3	92.3	85.1	75.7	71.1	61.4	33.3
2V460/4	1603	1318	1144	1015	893.0	798.0	729.0	672.0	621.0	577.0	541.0	509.0	377.0	307.0	261.0	228.0	182.0	153.0	134.0	119.0	108.0	97.6	89.5	75.6	39.3
2V460/6	1603	1318	1144	1015	893.0	798.0	729.0	672.0	621.0	577.0	541.0	509.0	377.0	307.0	261.0	228.0	182.0	153.0	134.0	119.0	108.0	97.6	89.5	75.6	39.3
2V500/2	728.0	728.0	728.0	728.0	728.0	728.0	679.0	628.0	586.0	532.5	495.6	466.0	380.0	305.0	251.0	225.0	178.0	154.0	130.0	115.0	106.4	94.6	88.9	76.8	41.6
2V500/6	1936	1627	1371	1180	1034	929.0	836.0	762.0	704.0	656.3	608.7	572.0	433.5	351.4	299.6	260.2	207.5	172.0	147.1	129.2	115.4	104.5	94.3	79.5	41.1

Temperature Correction Factors

Correction factors for capacity at different temperatures are shown in the table below (the reference temperature is 20°C).

	Temperature								
Duration of Discharge	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C
5 minutes to 59 minutes	0.80	0.86	0.91	0.96	1	1.04	1.06	1.09	1.10
1 hour to 24 hours	0.86	0.90	0.94	0.97	1	1.03	1.05	1.06	1.07

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