

EnerSys®

Power/Full Solutions



PowerSafe® 

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
V300-2	312.5	312.5	312.5	293.9	274.6	257.5	241.6	226.8	213.2	201.0	190.0	180.0	135.3	107.9	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	385.0	385.0	385.0	362.4	338.7	317.6	298.0	279.8	262.9	247.9	234.3	222.0	166.9	133.1	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	468.0	468.0	467.9	440.8	411.9	386.3	362.4	340.3	319.8	301.5	284.9	270.0	203.0	161.9	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	572.0	572.0	572.0	538.6	503.3	472.1	442.9	415.8	390.9	368.5	348.3	330.0	248.1	197.9	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	595.0	595.0	594.9	594.8	557.9	523.5	491.4	461.9	435.4	411.6	390.1	293.2	233.9	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	595.0	595.0	595.0	567.0	533.0	502.4	474.9	450.1	338.3	269.9	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	595.0	595.0	595.0	594.8	594.8	591.5	559.6	530.4	400.8	324.2	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	312.5	312.5	301.3	281.1	263.5	247.7	233.3	219.8	207.4	195.9	185.6	176.3	135.3	107.9	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	385.0	385.0	371.7	346.7	324.9	305.5	287.7	271.0	255.7	241.7	229.0	217.5	166.9	133.1	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	468.0	468.0	452.0	421.7	395.2	371.5	349.9	329.6	311.0	293.9	278.5	264.5	203.0	161.9	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	572.0	572.0	552.3	515.2	482.9	454.0	427.7	402.9	380.1	359.2	340.4	323.3	248.1	197.9	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	595.0	595.0	594.9	570.7	536.6	505.4	476.1	449.3	424.5	402.2	382.1	293.2	233.9	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	595.0	595.0	583.2	549.4	518.4	489.9	464.1	440.9	338.3	269.9	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	595.0	595.0	594.9	594.8	594.8	576.8	547.0	519.6	400.8	324.2	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	312.5	312.5	291.7	272.5	255.6	240.7	227.1	214.6	202.9	192.3	182.3	173.4	134.4	107.9	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	385.0	385.0	359.7	336.1	315.2	296.8	280.1	264.7	250.2	237.1	224.9	213.9	165.8	133.1	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	468.0	468.0	437.5	408.8	383.4	361.0	340.7	321.9	304.3	288.4	273.5	260.1	201.6	161.9	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	572.0	572.0	534.6	499.5	468.5	441.2	416.4	393.5	372.0	352.5	334.3	317.9	246.4	197.9	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	594.9	594.9	590.3	553.7	521.4	492.1	465.0	439.6	416.6	395.1	375.8	291.2	233.9	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	595.0	595.0	567.8	536.5	507.2	480.7	455.9	433.6	336.0	269.9	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	595.0	595.0	594.8	594.8	594.8	566.1	537.3	511.1	398.4	324.2	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	312.5	302.5	281.3	263.3	247.7	233.4	220.7	209.1	198.1	188.1	178.8	170.2	132.7	107.9	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	385.0	373.1	346.9	324.7	305.5	287.9	272.2	257.9	244.3	232.0	220.5	209.9	163.7	133.1	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	468.0	453.7	421.9	395.0	371.5	350.2	331.1	313.6	297.1	282.1	268.2	255.3	199.1	161.9	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	572.0	554.4	515.5	482.6	454.0	427.9	404.6	383.3	363.2	344.8	327.8	312.1	243.3	197.9	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	595.0	595.0	570.4	536.6	505.7	478.2	453.0	429.2	407.5	387.4	368.8	287.6	233.9	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	595.0	583.5	551.8	522.7	495.2	470.2	447.0	425.5	331.8	269.9	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	595.0	594.9	594.8	594.8	582.6	554.0	526.8	501.7	393.7	324.2	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

Constant Current Discharge Performance Data



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
V300-2	312.5	290.6	270.9	253.9	239.1	225.9	214.0	203.1	193.0	183.5	174.7	166.7	130.8	107.7	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	385.0	358.4	334.1	313.1	294.8	278.6	263.9	250.5	238.0	226.3	215.4	205.6	161.3	132.9	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	468.0	435.9	406.4	380.8	358.6	338.8	321.0	304.6	289.4	275.2	262.0	250.0	196.1	161.6	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	572.0	532.6	496.6	465.3	438.2	414.0	392.3	372.3	353.7	336.4	320.3	305.6	239.7	197.5	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	595.0	586.8	549.9	517.9	489.3	463.6	440.0	418.1	397.5	378.5	361.2	283.3	233.4	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	595.0	564.6	534.9	507.7	482.4	458.7	436.7	416.7	326.9	269.3	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	595.0	594.9	594.8	594.8	567.9	540.6	514.9	491.4	388.2	323.6	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	297.7	278.4	260.1	244.3	230.6	218.1	206.9	196.8	187.4	178.5	170.2	162.6	128.5	106.4	90.2	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	367.2	343.3	320.8	301.3	284.4	269.0	255.2	242.7	231.1	220.1	209.9	200.6	158.5	131.3	111.3	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	446.6	417.6	390.1	366.5	345.9	327.1	310.4	295.1	281.1	267.7	255.3	244.0	192.8	159.7	135.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	545.7	510.2	476.7	447.8	422.8	399.8	379.3	360.7	343.6	327.2	312.1	298.2	235.6	195.1	165.4	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	595.0	563.4	529.3	499.6	472.5	448.3	426.3	406.1	386.7	368.8	352.4	278.5	230.6	195.5	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	595.0	576.5	545.2	517.3	491.9	468.5	446.2	425.5	406.6	321.3	266.1	225.6	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	595.0	594.9	594.9	594.8	578.4	552.1	526.0	501.8	479.8	381.9	320.3	276.7	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	280.4	265.8	249.0	234.5	221.5	210.0	199.5	190.1	181.3	173.0	165.4	158.3	126.0	104.8	89.6	78.0	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	345.8	327.8	307.1	289.3	273.1	259.0	246.1	234.5	223.6	213.4	203.9	195.2	155.4	129.2	110.5	96.2	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	420.5	398.7	373.5	351.8	332.2	315.0	299.3	285.2	271.9	259.5	248.0	237.4	189.0	157.2	134.3	117.0	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	513.8	487.2	456.4	429.9	406.0	384.9	365.8	348.6	332.3	317.2	303.2	290.2	230.9	192.1	164.2	143.0	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	595.0	575.8	539.3	508.1	479.8	454.9	432.3	412.0	392.8	374.9	358.3	342.9	272.9	227.0	194.0	169.0	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	595.0	586.3	553.6	524.9	498.8	475.4	453.2	432.6	413.4	395.7	314.9	262.0	223.9	195.0	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	594.9	594.9	594.8	585.9	559.7	534.2	510.1	487.7	467.2	374.7	316.0	274.6	240.8	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	263.0	252.9	237.6	224.1	212.1	201.7	192.0	183.1	174.8	167.1	160.1	153.5	123.1	102.8	88.2	77.4	61.7	51.7	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	324.3	312.0	293.1	276.5	261.6	248.8	236.8	225.8	215.6	206.1	197.4	189.3	151.8	126.8	108.8	95.5	76.1	63.7	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	394.4	379.4	356.4	336.2	318.2	302.6	288.0	274.7	262.2	250.6	240.1	230.2	184.6	154.2	132.3	116.1	92.5	77.5	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	482.0	463.6	435.6	410.9	388.9	369.8	352.0	335.7	320.5	306.3	293.5	281.4	225.6	188.4	161.7	141.9	113.1	94.7	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	569.6	547.9	514.8	485.6	459.6	437.1	416.0	396.7	378.7	362.0	346.8	332.6	266.6	222.7	191.1	167.7	133.6	112.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	595.0	595.0	594.0	560.3	530.3	504.3	480.0	457.8	437.0	417.7	400.2	383.7	307.7	256.9	220.5	193.5	154.2	129.2	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	595.0	594.9	594.9	592.0	564.9	539.6	515.4	492.9	472.4	453.4	366.6	310.7	270.7	239.1	188.4	155.2	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
V300-2	219.0	219.0	207.9	197.3	187.9	179.1	171.0	163.6	156.9	150.6	144.9	139.6	114.1	96.2	83.5	73.7	60.1	51.2	45.1	40.1	36.1	32.8	30.0	25.5	13.5
V370-2	270.1	270.1	256.4	243.4	231.8	220.8	210.9	201.8	193.5	185.7	178.6	172.1	140.8	118.6	103.0	90.9	74.1	63.2	55.7	49.5	44.5	40.4	37.0	31.4	16.6
V450-2	328.5	328.5	311.9	296.0	281.9	268.6	256.5	245.4	235.3	225.9	217.3	209.4	171.2	144.3	125.2	110.6	90.1	76.9	67.7	60.2	54.1	49.2	45.0	38.2	20.2
V550-2	401.4	401.4	381.1	361.8	344.5	328.3	313.5	300.0	287.6	276.1	265.6	255.9	209.3	176.3	153.1	135.2	110.1	93.9	82.7	73.5	66.2	60.1	55.0	46.7	24.7
V650-2	474.4	474.4	450.4	427.6	407.2	388.0	370.5	354.5	339.9	326.3	313.8	302.4	247.3	208.4	180.9	159.7	130.2	111.0	97.8	86.9	78.2	71.0	65.0	55.2	29.2
V750-2	547.4	547.4	519.7	493.3	469.8	447.6	427.6	409.1	392.2	376.5	362.1	348.9	285.3	240.5	208.7	184.3	150.2	128.1	112.8	100.3	90.2	81.9	75.0	63.7	33.7
V850-2	595.0	595.0	594.9	579.2	553.3	527.9	504.5	483.0	463.5	445.4	428.8	413.7	341.6	292.8	257.1	227.5	183.1	153.7	132.8	116.2	103.5	93.3	85.0	72.1	38.2

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
V300-2	175.3	175.3	175.3	168.2	160.9	154.0	147.8	142.1	136.8	131.8	127.2	123.0	102.3	87.3	76.3	67.9	56.1	48.3	42.8	38.4	34.8	31.9	29.4	25.2	13.5
V370-2	216.3	216.3	216.2	207.4	198.4	189.9	182.3	175.3	168.7	162.6	156.9	151.7	126.2	107.7	94.2	83.7	69.1	59.6	52.7	47.3	43.0	39.3	36.2	31.1	16.6
V450-2	263.0	263.0	263.0	252.3	241.3	230.9	221.7	213.2	205.1	197.8	190.8	184.5	153.5	130.9	114.5	101.8	84.1	72.5	64.1	57.6	52.3	47.8	44.0	37.9	20.2
V550-2	321.5	321.5	321.4	308.3	294.9	282.3	271.0	260.5	250.7	241.7	233.2	225.4	187.6	160.0	140.0	124.4	102.8	88.6	78.4	70.4	63.9	58.4	53.8	46.3	24.7
V650-2	379.9	379.9	379.9	364.4	348.6	333.6	320.3	307.9	296.3	285.7	275.7	266.4	221.7	189.1	165.4	147.0	121.5	104.7	92.6	83.2	75.5	69.1	63.6	54.7	29.2
V750-2	438.4	438.3	438.3	420.5	402.2	384.9	369.5	355.3	341.9	329.6	318.1	307.4	255.8	218.2	190.9	169.6	140.2	120.8	106.9	96.0	87.1	79.7	73.4	63.1	33.7
V850-2	517.5	517.5	517.4	496.6	475.4	455.4	437.7	421.4	406.0	391.9	378.7	366.6	309.3	267.9	235.7	208.5	169.7	143.7	125.0	110.8	99.7	90.6	83.1	71.4	38.2

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
V300-2	534.4	532.8	511.0	475.3	445.4	419.5	397.0	376.0	356.9	339.5	323.6	309.0	243.5	198.3	168.2	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	651.5	637.2	621.1	586.2	549.5	517.3	489.6	463.7	440.1	418.7	399.0	381.1	300.4	244.6	207.4	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	792.1	774.7	755.1	713.0	668.3	629.2	595.5	563.9	535.3	509.2	485.3	463.5	365.3	297.5	252.3	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	968.1	946.7	922.8	871.1	816.6	768.8	727.7	689.2	654.2	622.4	593.1	566.5	446.5	363.6	308.3	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	1000	979.8	957.2	908.8	859.9	814.5	773.1	735.5	701.0	669.5	527.6	429.7	364.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	1007	989.8	969.5	939.8	892.1	848.7	808.8	772.5	608.8	495.8	420.5	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1011	995.1	974.5	948.3	908.7	723.7	594.2	509.7	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	534.4	532.8	494.2	461.1	433.0	409.0	387.8	368.7	350.7	334.3	319.1	305.1	241.6	198.3	168.2	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	651.5	637.2	609.5	568.6	534.1	504.4	478.2	454.8	432.5	412.4	393.6	376.3	298.0	244.6	207.4	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	792.1	774.7	741.3	691.6	649.6	613.5	581.6	553.1	526.1	501.5	478.6	457.7	362.5	297.5	252.3	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	968.1	946.7	905.7	845.1	793.8	749.7	710.8	676.0	642.9	612.9	585.0	559.4	443.0	363.6	308.3	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	1000	979.8	938.3	886.0	840.0	798.9	759.8	724.4	691.4	661.1	523.6	429.7	364.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	1007	989.8	969.3	921.5	876.7	835.8	797.7	762.8	604.1	495.8	420.5	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1011	995.1	974.5	937.3	899.3	718.4	594.2	509.7	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	534.4	520.5	482.3	450.8	424.3	401.4	381.2	362.8	346.0	330.2	315.7	302.0	239.9	198.3	168.2	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	651.5	637.2	594.8	555.9	523.3	495.1	470.1	447.5	426.7	407.3	389.3	372.4	295.9	244.6	207.4	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	792.1	774.7	723.3	676.1	636.5	602.2	571.7	544.2	519.0	495.3	473.5	453.0	359.9	297.5	252.3	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	968.1	946.7	883.8	826.2	777.7	735.8	698.7	665.1	634.3	605.4	578.7	553.6	439.9	363.6	308.3	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	1000	976.3	919.2	869.6	825.7	786.0	749.6	715.4	683.9	654.3	519.8	429.7	364.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	1007	989.8	952.5	906.8	864.9	825.5	789.2	755.0	599.8	495.8	420.5	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1011	995.1	968.1	928.3	890.9	713.7	594.2	509.7	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	534.4	505.3	469.4	439.9	414.9	393.2	373.8	356.4	340.5	325.5	311.6	298.3	237.8	198.0	168.2	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	651.5	623.2	578.9	542.5	511.7	484.9	461.1	439.5	419.9	401.5	384.4	367.9	293.3	244.2	207.4	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	792.1	757.9	704.1	659.8	622.3	589.8	560.7	534.5	510.7	488.3	467.5	447.5	356.7	297.0	252.3	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	968.1	926.1	860.3	806.2	760.5	720.7	685.3	653.3	624.2	596.8	571.3	546.9	436.0	363.0	308.3	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	1000	952.9	898.9	852.1	809.9	772.1	737.7	705.3	675.2	646.3	515.3	429.0	364.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	1007	982.9	934.5	891.2	851.2	813.8	779.1	745.8	594.6	495.0	420.5	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1011	995.1	956.1	917.8	880.7	708.0	593.2	509.7	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

Constant Power Discharge Performance Data



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
V300-2	530.9	489.4	456.3	428.6	405.1	384.4	366.2	349.5	334.4	320.4	306.7	293.9	235.4	196.6	168.2	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	651.5	603.8	562.8	528.6	499.6	474.1	451.6	431.1	412.4	395.1	378.3	362.5	290.3	242.4	207.4	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	792.1	734.2	684.5	642.9	607.6	576.6	549.2	524.3	501.6	480.5	460.0	440.9	353.1	294.9	252.3	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	968.1	897.2	836.4	785.6	742.5	704.6	671.2	640.7	613.1	587.3	562.3	538.9	431.6	360.4	308.3	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	988.0	928.5	877.8	832.7	793.2	757.2	724.5	694.1	664.5	636.8	510.0	425.9	364.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	1007	960.8	915.3	873.7	836.0	800.9	766.7	734.8	588.5	491.4	420.5	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1011	981.0	943.0	904.8	868.5	701.2	589.3	509.7	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	507.0	473.5	442.5	416.8	394.5	375.2	357.8	342.2	327.8	314.4	301.1	288.8	232.5	194.7	167.7	146.7	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	625.1	583.8	545.6	514.1	486.5	462.7	441.3	422.1	404.3	387.7	371.4	356.2	286.7	240.2	206.9	180.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	760.0	709.9	663.6	625.2	591.7	562.7	536.7	513.3	491.7	471.6	451.7	433.3	348.7	292.1	251.6	220.0	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	928.7	867.6	810.8	764.0	723.1	687.7	656.0	627.4	600.9	576.3	552.1	529.6	426.2	357.0	307.5	268.9	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	1019	958.1	902.8	854.9	812.7	775.2	741.5	710.2	681.1	652.4	625.8	503.6	421.9	363.4	317.7	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1024	986.0	937.6	894.5	855.5	819.5	785.9	752.8	722.1	581.1	486.8	419.3	366.6	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1026	1002	963.9	926.7	889.2	854.3	692.9	584.2	508.6	450.1	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	481.2	456.4	427.9	404.1	383.3	365.3	348.9	334.2	320.5	307.0	294.6	283.1	228.9	192.5	166.3	146.4	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	593.6	562.9	527.7	498.4	472.8	450.5	430.3	412.2	395.3	378.6	363.4	349.2	282.4	237.4	205.1	180.6	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	721.9	684.6	641.9	606.1	575.0	547.9	523.4	501.3	480.8	460.5	442.0	424.7	343.4	288.7	249.5	219.6	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	882.1	836.5	784.3	740.7	702.7	669.6	639.6	612.7	587.6	562.8	540.2	519.0	419.7	352.9	304.9	268.4	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	1031	988.6	927.2	875.7	830.4	791.3	755.9	724.1	694.5	665.2	638.4	613.4	496.0	417.1	360.4	317.2	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1039	1010	958.0	912.6	872.2	835.5	801.3	767.5	736.6	707.8	572.4	481.2	415.8	366.0	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1040	1021	981.9	944.5	905.9	870.6	837.9	683.0	577.8	505.1	449.4	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	455.7	439.1	413.2	390.9	371.7	354.7	339.3	325.5	311.6	299.0	287.2	276.4	224.8	189.6	164.3	145.1	118.1	99.3	86.6	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	562.1	541.6	509.6	482.1	458.4	437.5	418.5	401.5	384.4	368.7	354.2	340.8	277.2	233.9	202.7	178.9	145.6	122.5	106.8	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	683.5	658.7	619.8	586.3	557.5	532.1	509.0	488.3	467.5	448.5	430.8	414.5	337.2	284.4	246.5	217.6	177.1	148.9	129.9	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	835.3	804.9	757.4	716.5	681.4	650.3	622.1	596.8	571.3	548.1	526.5	506.7	412.1	347.6	301.3	266.0	216.5	182.0	158.7	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	987.3	950.9	894.8	846.8	805.3	768.5	735.2	705.3	675.2	647.8	622.2	598.8	487.0	410.8	356.1	314.3	255.9	215.1	187.6	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	1056	1052	1032	977.0	929.1	886.5	848.3	813.8	779.1	747.4	717.9	690.9	561.9	474.0	410.9	362.7	295.2	248.2	216.5	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1063	1052	1037	996.5	959.0	919.8	883.3	849.9	819.2	671.3	569.7	500.2	446.0	360.4	299.4	257.5	226.8	202.6	183.1	167.1	142.5	76.2

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	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
V300-2	390.7	390.7	372.6	355.1	339.5	324.5	310.2	297.7	285.8	274.9	265.1	255.9	211.5	180.0	157.2	139.5	115.0	98.0	86.4	77.4	69.9	63.8	58.7	50.3	26.9
V370-2	481.9	481.9	459.6	437.9	418.8	400.2	382.6	367.2	352.5	339.1	326.9	315.6	260.8	222.0	193.9	172.1	141.8	120.9	106.5	95.4	86.2	78.7	72.4	62.0	33.2
V450-2	586.1	586.1	559.0	532.6	509.3	486.8	465.4	446.6	428.7	412.4	397.6	383.8	317.2	270.0	235.8	209.3	172.5	147.0	129.6	116.0	104.9	95.7	88.0	75.4	40.3
V550-2	716.2	716.2	683.1	650.9	622.5	594.9	568.8	545.8	524.0	504.1	486.0	469.1	387.7	330.0	288.2	255.8	210.8	179.7	158.4	141.8	128.2	117.0	107.6	92.2	49.3
V650-2	846.4	846.4	807.3	769.3	735.7	703.1	672.2	645.1	619.3	595.7	574.4	554.4	458.2	390.0	340.6	302.3	249.2	212.4	187.2	167.6	151.5	138.2	127.1	108.9	58.2
V750-2	976.7	976.7	931.2	887.7	848.9	811.3	775.6	744.3	714.6	687.3	662.7	639.7	528.6	450.0	393.0	348.8	287.5	245.1	216.0	193.4	174.8	159.5	146.7	125.7	67.2
V850-2	1080	1080	1074	1041	999.3	957.1	917.2	880.4	846.7	815.9	787.6	761.0	633.3	544.6	481.1	430.6	349.9	295.2	256.8	226.8	202.6	183.1	167.1	142.5	76.2

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
V300-2	323.3	323.2	323.2	311.3	298.0	285.5	274.5	264.2	254.8	246.0	237.7	230.2	193.2	165.9	145.7	130.5	108.3	93.1	82.7	74.4	67.7	62.1	57.4	49.7	26.9
V370-2	398.7	398.6	398.6	383.9	367.5	352.1	338.5	325.8	314.3	303.4	293.2	283.9	238.2	204.7	179.7	160.9	133.6	114.8	102.0	91.8	83.5	76.6	70.8	61.2	33.2
V450-2	484.9	484.9	484.9	466.9	447.0	428.2	411.7	396.3	382.2	369.0	356.6	345.2	289.7	248.9	218.5	195.7	162.5	139.7	124.0	111.6	101.6	93.2	86.2	74.5	40.3
V550-2	592.7	592.7	592.6	570.7	546.3	523.4	503.2	484.4	467.1	451.0	435.8	422.0	354.1	304.2	267.1	239.2	198.6	170.7	151.6	136.4	124.1	113.9	105.3	91.0	49.3
V650-2	700.4	700.3	700.3	674.4	645.6	618.6	594.7	572.4	552.1	533.1	515.1	498.7	418.5	359.5	315.6	282.7	234.7	201.8	179.1	161.2	146.7	134.6	124.5	107.6	58.2
V750-2	808.2	808.2	808.1	778.2	744.9	713.7	686.1	660.5	637.0	615.1	594.3	575.4	482.9	414.9	364.2	326.2	270.8	232.8	206.7	186.0	169.3	155.3	143.6	124.1	67.2
V850-2	954.9	954.9	954.8	920.3	881.8	846.5	814.7	785.4	758.4	733.2	709.4	687.8	581.8	506.7	449.4	399.9	327.8	278.5	243.7	216.8	195.4	177.8	163.2	140.7	76.2



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