

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

Temperature Correction Factors

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

Duration of Discharge	Temperature								
	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

Visit us at www.enersys.com



EnerSys World Headquarters
2366 Bernville Road, Reading,
PA 19605, USA
Tel: +1-610-208-1991 /
+1-800-538-3627

EnerSys EMEA
EH Europe GmbH,
Baarerstrasse 18,
6300 Zug, Switzerland

EnerSys Asia
152 Beach Road,
Gateway East Building #11-03,
Singapore 189721
Tel: +65 6508 1780

Contact: