

# EnerSys®

Power/Full Solutions



**PowerSafe®**  
FRONT TERMINAL

## Performance Data





# Constant Current Discharge Performance Data



FRONT TERMINAL

## 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
12V30F	119.9	80.0	60.7	49.2	41.7	36.4	32.3	29.1	26.6	24.5	22.7	21.2	15.3	12.0	10.0	8.57	6.73	5.58	4.78	4.19	3.74	3.38	3.10	2.64	1.45
12V38F	139.5	95.9	74.4	60.8	51.6	44.9	39.8	35.8	32.5	29.9	27.6	25.7	18.3	14.4	11.9	10.2	8.06	6.69	5.76	5.08	4.56	4.14	3.80	3.28	1.83
12V62F	198.3	141.4	111.4	92.5	79.5	70.1	62.9	57.0	52.3	48.3	45.0	42.1	30.6	24.2	20.2	17.3	13.6	11.3	9.72	8.52	7.57	6.81	6.20	5.27	2.87
12V92F	208.9	167.8	143.6	123.7	108.6	97.5	88.3	80.7	74.5	69.2	64.6	60.6	44.4	35.3	29.4	25.3	19.8	16.4	14.0	12.3	11.0	10.0	9.20	7.93	4.40
12V100FC	231.4	186.4	156.6	135.2	119.3	106.9	97.1	89.2	82.4	76.7	71.9	67.8	50.5	40.4	33.9	29.2	22.9	18.9	16.0	13.9	12.3	11.1	10.0	8.72	4.62
12V101F	227.6	174.9	146.0	125.7	111.1	100.0	90.9	83.5	77.2	71.8	67.1	62.9	46.4	37.2	31.1	26.9	21.3	17.8	15.3	13.5	12.1	10.9	10.0	8.32	4.31
12V125F	248.0	196.1	167.5	149.7	136.0	124.1	113.3	102.4	96.0	89.0	82.2	76.4	57.7	46.2	38.7	33.3	26.6	22.2	19.1	16.7	14.9	13.5	12.5	10.3	5.37
12V155FS	329.1	271.3	231.3	201.1	178.4	161.0	146.5	134.1	123.6	114.6	107.8	101.4	73.8	58.7	48.9	42.1	33.1	27.4	23.5	20.6	18.3	16.5	15.0	12.7	6.88
12V170FS	351.6	298.8	262.2	233.3	208.8	188.3	170.7	155.4	143.0	132.6	123.7	116.0	85.1	67.8	56.5	48.5	37.9	31.2	26.6	23.2	20.6	18.6	17.0	14.4	7.81
12V190F	406.0	309.2	273.8	245.3	218.7	198.0	181.1	167.1	155.1	144.8	135.8	127.7	94.6	75.5	63.1	54.2	42.5	35.0	29.8	26.0	23.1	20.8	19.0	16.2	8.74

## 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
12V30F	115.6	76.5	57.8	46.9	39.8	34.8	30.9	27.9	25.4	23.4	21.8	20.3	14.7	11.6	9.70	8.34	6.59	5.47	4.70	4.13	3.69	3.34	3.05	2.61	1.43
12V38F	125.2	89.7	71.2	58.6	50.1	43.7	38.8	35.1	31.9	29.3	27.1	25.2	17.9	14.0	11.6	9.94	7.81	6.49	5.59	4.93	4.43	4.03	3.70	3.19	1.79
12V62F	177.3	130.2	102.9	86.0	74.3	65.9	59.2	53.9	49.6	46.0	42.8	40.0	29.4	23.4	19.6	16.9	13.3	11.1	9.54	8.39	7.47	6.73	6.17	5.24	2.84
12V92F	186.5	151.0	128.8	112.6	99.8	90.2	82.7	76.0	70.4	66.0	61.9	57.9	42.8	34.3	28.8	24.9	19.5	16.3	13.9	12.2	10.9	9.94	9.11	7.83	4.39
12V100FC	200.5	166.6	141.7	123.3	109.4	98.6	89.8	82.5	76.6	71.5	67.0	63.1	47.5	38.3	32.4	27.9	22.0	18.2	15.5	13.5	11.9	10.8	9.91	8.47	4.55
12V101F	193.3	155.2	132.6	115.2	102.5	92.7	84.6	77.8	72.1	67.1	62.6	58.8	43.6	34.9	29.2	25.3	20.1	16.8	14.5	12.8	11.4	10.4	9.49	7.89	4.23
12V125F	210.4	170.2	148.4	133.7	121.0	108.5	99.0	91.6	83.6	77.1	72.3	68.4	51.9	41.7	34.9	30.3	24.3	20.4	17.5	15.4	13.8	12.7	11.5	9.58	5.37
12V155FS	290.1	244.1	210.4	184.3	164.8	149.0	136.1	124.8	115.2	108.1	101.2	94.9	69.3	55.2	46.0	39.6	31.1	25.8	22.1	19.3	17.2	15.5	14.1	12.0	6.51
12V170FS	304.1	266.4	239.1	213.6	192.6	174.2	159.4	145.8	134.4	125.1	116.7	109.6	81.2	64.8	54.1	46.5	36.5	30.0	25.6	22.3	19.8	17.8	16.2	13.8	7.54
12V190F	332.6	286.4	255.5	228.9	206.7	187.8	172.5	158.6	147.3	137.7	128.8	121.1	90.1	72.1	60.4	52.1	40.9	33.7	28.7	25.0	22.2	20.0	18.3	15.6	8.50





# Constant Power Discharge Performance Data



FRONT TERMINAL

## 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
12V30F	227.4	153.2	117.1	95.2	81.0	70.6	62.9	56.8	51.7	47.7	44.3	41.4	30.1	23.6	19.6	16.8	13.2	10.9	9.45	8.30	7.39	6.68	6.10	5.24	2.86
12V38F	259.1	180.8	142.9	117.8	100.5	87.6	77.9	70.2	63.9	58.6	54.3	50.6	36.3	28.4	23.5	20.1	15.8	13.1	11.3	10.0	8.95	8.13	7.48	6.48	3.62
12V62F	367.3	265.4	211.4	176.7	152.6	134.8	121.4	110.4	101.3	93.9	87.5	81.9	60.2	47.7	39.8	34.2	27.0	22.4	19.2	16.9	15.0	13.5	12.3	10.5	5.72
12V92F	378.0	307.2	266.4	232.1	205.3	184.9	168.5	154.7	143.0	133.2	124.7	117.1	86.9	69.0	57.8	49.7	39.0	32.3	27.7	24.4	21.8	19.7	18.1	15.6	8.67
12V100FC	420.6	343.0	291.6	253.8	225.2	202.9	184.9	170.3	158.0	147.4	138.3	130.6	98.4	79.1	66.6	57.6	45.4	37.5	32.0	27.8	24.6	22.1	20.2	17.2	9.28
12V101F	412.8	321.9	270.5	234.7	207.8	187.4	171.2	157.6	146.2	136.2	127.5	119.8	88.7	71.1	59.6	51.6	40.9	34.1	29.4	26.0	23.3	21.1	19.3	16.2	8.44
12V125F	450.1	358.8	307.7	275.3	251.3	230.8	211.9	194.4	178.8	167.9	156.2	145.6	109.8	88.2	74.1	63.9	51.0	42.7	36.8	32.3	28.9	26.1	23.9	20.2	10.5
12V155FS	597.2	497.3	429.7	377.5	336.7	305.0	279.0	257.0	237.9	221.3	206.8	195.7	143.7	114.7	95.7	82.5	65.0	53.9	46.2	40.5	36.1	32.6	29.7	25.2	13.5
12V170FS	635.8	543.5	480.3	431.3	388.6	352.4	321.1	294.1	270.9	251.5	235.0	220.7	162.6	129.9	108.4	93.2	73.1	60.3	51.4	44.9	39.9	35.9	32.7	27.8	15.1
12V190F	751.3	566.6	502.2	456.8	410.9	373.5	342.6	316.9	294.9	275.8	259.3	244.8	182.8	146.3	122.5	105.5	82.9	68.5	58.4	50.9	45.2	40.7	37.1	31.7	17.2

## 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
12V30F	222.8	148.5	112.9	91.8	77.9	68.0	60.6	54.6	49.9	46.1	42.8	40.0	29.2	23.1	19.3	16.5	13.0	10.8	9.33	8.19	7.31	6.60	6.03	5.17	2.83
12V38F	237.3	171.8	138.7	114.8	98.1	86.3	76.8	69.2	63.0	57.9	53.6	49.8	35.7	27.9	23.0	19.7	15.4	12.8	11.1	9.79	8.75	7.96	7.30	6.32	3.53
12V62F	335.2	248.6	198.3	166.6	144.2	128.1	115.6	105.4	97.1	90.0	84.0	78.9	58.1	46.5	38.8	33.6	26.6	22.0	19.0	16.7	14.9	13.5	12.3	10.5	5.70
12V92F	347.2	283.8	244.2	214.7	191.4	173.5	159.3	147.2	136.6	127.8	120.3	113.5	84.0	67.7	56.7	49.2	38.7	32.0	27.6	24.3	21.7	19.6	18.0	15.6	8.66
12V100FC	373.9	314.0	269.3	235.9	210.2	189.9	173.7	160.1	148.7	139.3	130.9	123.5	93.5	75.7	64.0	55.5	43.8	36.3	31.1	27.1	24.0	21.6	19.7	16.9	9.17
12V101F	360.7	291.1	250.4	218.2	194.7	176.3	161.7	148.7	138.1	128.9	120.5	113.3	84.0	67.3	56.4	48.8	38.9	32.6	28.1	24.8	22.1	20.1	18.6	15.5	8.27
12V125F	391.7	318.5	278.2	251.5	228.9	207.6	188.0	175.1	160.8	148.3	138.4	131.0	99.8	80.5	67.6	58.6	47.2	39.5	34.1	30.0	26.9	24.5	22.6	18.9	10.4
12V155FS	541.5	458.9	399.7	352.4	316.0	287.3	263.2	242.8	224.6	209.6	198.0	185.5	136.3	108.8	90.8	78.2	61.6	51.0	43.8	38.4	34.2	30.9	28.2	24.0	12.9
12V170FS	563.5	496.4	447.4	401.8	363.8	330.9	302.7	279.1	257.1	239.6	224.4	210.9	156.5	125.0	105.1	90.2	70.8	58.4	49.7	43.4	38.5	34.6	31.6	27.0	14.6
12V190F	618.0	536.1	479.2	433.3	393.0	359.0	331.5	305.4	283.6	265.6	249.9	235.4	175.4	140.9	118.4	102.2	80.5	66.6	56.6	49.4	43.9	39.6	36.1	30.9	16.8

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