

**PowerSafe**<sup>®</sup>  
V  
FRONT TERMINAL



---

PERFORMANCE DATA

---

**EnerSys**<sup>®</sup>

Power/Full Solutions

RESERVE  
POWER





### 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	148.0	86.5	63.5	51.0	43.1	37.4	33.3	30.0	27.4	25.2	23.4	21.9	15.8	12.5	10.4	8.89	6.93	5.68	4.81	4.17	3.79	3.38	3.05	2.40	1.20
12V38F	151.0	97.1	74.8	61.2	51.9	45.1	40.0	36.0	32.7	29.9	27.7	25.7	18.2	14.1	11.6	9.8	7.59	6.21	5.27	4.60	4.21	3.99	3.81	2.90	1.60
12V62F	212.0	154.0	122.0	102.0	88.2	77.8	69.7	63.2	57.9	53.0	49.3	43.6	33.2	26.2	21.5	18.4	14.3	11.7	9.9	8.58	7.59	6.80	6.17	5.79	2.74
12V92F	272.0	198.0	158.0	132.0	115.0	101.0	91.3	83.0	76.1	70.4	65.5	61.3	44.6	35.3	29.4	25.2	19.7	16.2	13.9	12.1	11.1	10.0	9.15	7.58	4.20
12V100FC	236.0	188.5	156.8	135.6	119.2	106.8	97.4	89.5	82.8	77.2	72.3	68.1	50.6	40.6	34.0	29.3	22.9	18.9	16.1	14.0	12.4	11.2	10.1	8.66	4.64
12V101F	233.1	178.7	145.5	127.5	112.3	99.9	90.7	82.9	76.8	71.3	66.7	66.0	46.1	36.8	30.9	26.7	21.3	17.7	15.2	13.4	12.0	10.9	10.0	8.40	4.20
12V125F	246.9	196.1	167.5	149.7	136.0	124.1	113.3	102.4	95.9	88.9	82.1	76.4	57.6	45.7	38.6	33.3	26.5	21.9	18.9	16.7	15.0	13.6	12.4	10.5	5.28
12V155FS	339.1	274.3	231.3	201.0	178.3	161.0	146.4	134.1	123.6	114.6	107.8	101.4	73.7	58.6	48.9	42.1	33.1	27.4	23.5	20.6	18.3	16.5	15.0	12.7	6.88
12V170FS	359.7	297.9	265.1	239.7	209.8	187.5	169.8	155.2	143.1	132.9	124.0	116.4	85.6	68.0	56.6	48.6	38.0	31.3	26.7	23.3	20.6	18.6	17.0	14.4	7.82
12V190F	359.7	339.4	297.3	266.6	234.4	208.5	188.7	172.6	159.1	147.8	137.9	129.5	95.6	76.0	63.3	54.3	42.5	35.0	29.8	26.1	23.2	20.8	19.0	16.2	8.80

### 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	146.0	83.9	61.4	49.3	41.6	36.3	32.3	29.2	26.6	24.6	22.8	21.4	15.5	12.3	10.3	8.80	6.87	5.64	4.78	4.14	3.75	3.35	3.02	2.44	1.20
12V38F	148.0	92.7	72.6	59.9	51.0	44.5	39.5	35.5	32.3	29.6	27.4	25.5	17.9	13.9	11.4	9.66	7.45	6.09	5.17	4.51	4.00	3.91	3.74	2.82	1.60
12V62F	193.0	143.0	115.0	97.0	84.2	74.6	67.1	61.1	56.1	51.5	47.9	42.5	32.6	25.9	21.3	18.3	14.2	11.7	9.88	8.58	7.59	6.80	6.17	5.78	2.71
12V92F	248.0	184.0	149.0	126.0	110.0	97.4	87.8	80.1	73.7	68.3	63.7	59.7	43.8	34.8	29.0	24.9	19.6	16.1	13.8	12.1	11.1	10.0	9.08	7.57	4.10
12V100FC	203.5	167.8	142.0	123.5	109.3	98.9	90.1	83.4	77.2	71.8	67.3	63.4	47.9	38.6	32.8	28.2	22.2	18.3	15.6	13.6	12.1	10.9	9.95	8.43	4.59
12V101F	195.3	159.1	132.3	117.0	103.8	92.8	84.6	77.5	72.0	67.0	62.8	61.5	43.4	34.7	29.1	25.2	20.1	16.8	14.6	12.9	11.5	10.3	9.40	8.00	4.20
12V125F	210.4	170.1	148.4	133.7	120.9	108.4	98.9	91.6	83.6	77.0	72.3	68.4	53.1	41.9	35.4	30.2	24.3	20.1	17.6	15.5	13.9	12.6	11.5	9.84	5.28
12V155FS	295.0	244.9	210.3	184.2	164.7	149.0	136.1	124.7	115.2	108.1	101.1	94.8	69.3	55.2	46.0	39.5	31.1	25.8	22.1	19.3	17.2	15.5	14.1	12.0	6.51
12V170FS	303.4	270.0	240.6	221.1	194.3	174.7	160.7	146.6	135.5	126.3	117.9	110.6	81.7	65.5	54.7	47.0	36.7	30.3	25.8	22.5	20.0	18.0	16.4	13.9	7.63
12V190F	307.1	307.1	272.5	248.5	219.4	196.3	179.1	163.3	150.8	149.7	139.9	123.0	96.6	73.2	63.9	52.5	41.1	33.9	28.9	25.3	22.4	20.2	18.4	15.8	8.40





### Constant Power Discharge (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	276.0	164.0	122.0	96.0	83.6	72.9	65.0	58.8	53.7	49.7	46.2	43.1	31.4	24.9	20.7	17.8	13.9	11.4	9.66	8.38	7.62	6.80	6.14	4.70	2.40
12V38F	280.0	184.0	143.0	117.0	101.0	87.8	78.1	70.4	64.1	58.9	54.5	50.7	36.0	28.1	23.1	19.6	15.2	12.5	10.6	9.26	8.48	8.03	7.68	5.80	3.20
12V62F	392.0	290.0	233.0	196.0	170.0	151.0	135.0	123.0	113.0	102.9	95.7	84.9	65.0	52.0	42.4	36.7	28.5	23.4	19.8	17.2	15.2	13.7	12.4	10.4	5.49
12V92F	502.0	373.0	300.0	253.0	221.0	196.0	177.0	161.0	148.0	137.7	128.4	120.0	88.2	70.0	58.5	50.2	39.4	32.6	27.9	24.4	22.4	20.2	18.4	15.3	8.40
12V100FC	429.3	346.0	291.7	253.3	224.4	201.6	184.2	170.0	157.8	147.3	138.3	130.6	98.2	78.8	66.5	57.4	45.2	37.3	31.8	27.8	24.7	22.2	20.2	17.2	9.29
12V101F	419.6	326.3	269.3	237.2	210.0	187.8	171.3	157.3	146.4	136.6	128.3	126.8	88.9	71.1	59.8	51.9	41.5	34.4	29.5	26.1	23.3	21.3	19.5	16.4	8.21
12V125F	449.9	358.6	307.6	275.2	251.2	230.7	211.8	194.4	178.8	167.8	156.2	145.5	113.3	88.4	74.6	65.1	52.1	42.6	37.2	33.1	29.6	26.8	24.4	20.8	10.5
12V155FS	615.7	503.5	430.9	377.4	336.7	304.9	279.0	256.9	237.8	221.2	206.7	195.7	143.6	114.6	95.7	82.5	65.0	53.9	46.2	40.5	36.1	32.6	29.7	25.2	13.5
12V170FS	650.1	571.6	510.8	463.5	409.5	366.5	333.1	305.6	282.2	262.1	245.2	230.7	170.3	136.0	113.3	97.6	76.4	63.0	53.8	47.0	41.7	37.5	34.1	29.1	15.6
12V190F	666.8	666.8	587.6	533.0	467.5	420.8	378.8	347.4	323.0	310.2	290.0	263.6	200.8	154.6	133.3	110.5	86.3	71.0	61.4	53.7	46.6	43.0	38.0	33.5	17.8

### Constant Power Discharge (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	275.0	161.0	118.0	96.0	81.4	71.0	63.4	57.4	52.5	48.6	45.2	42.2	30.9	24.6	20.5	17.6	13.8	11.3	9.60	8.30	7.55	6.74	6.08	4.90	2.33
12V38F	279.0	177.0	140.0	116.0	99.6	87.1	77.6	69.9	63.7	58.6	54.2	50.4	35.7	27.8	22.8	19.4	15.0	12.2	10.4	9.08	8.32	7.88	7.54	5.70	3.20
12V62F	363.0	273.0	222.0	188.0	164.0	146.0	131.0	120.0	110.0	100.6	93.7	83.2	64.1	51.5	42.1	36.5	28.4	23.3	19.8	17.2	15.2	13.6	12.4	10.3	5.41
12V92F	466.0	352.0	286.0	244.0	213.0	189.0	172.0	157.0	144.0	134.6	125.7	117.0	86.9	69.2	57.9	46.8	39.1	32.4	27.7	24.2	22.2	20.0	18.3	15.1	8.20
12V100FC	378.5	315.7	268.4	235.0	208.9	189.7	173.2	160.3	149.4	139.4	130.9	123.3	93.5	75.7	64.2	56.0	43.9	36.5	31.1	27.3	24.2	21.8	19.8	16.9	9.19
12V101F	361.3	296.0	247.6	219.7	195.5	175.4	160.6	147.9	138.0	129.0	121.4	118.8	84.1	67.4	56.7	49.2	39.3	32.8	28.5	25.2	22.4	20.1	18.4	15.6	8.23
12V125F	391.5	318.3	278.1	251.4	228.7	207.5	187.9	175.0	160.7	148.2	138.3	131.0	103.7	82.2	70.3	60.5	48.2	39.5	35.0	31.0	28.0	25.2	22.8	19.5	10.5
12V155FS	551.6	461.1	399.5	352.3	315.9	287.3	263.1	242.7	224.6	209.5	197.9	185.6	136.2	108.7	90.7	78.2	61.5	51.0	43.7	38.4	34.2	30.9	28.2	24.0	12.9
12V170FS	563.0	527.6	470.3	433.1	384.3	345.0	316.8	292.5	269.8	251.6	235.7	221.5	163.0	132.5	110.2	95.4	74.6	61.4	52.4	45.8	40.6	36.6	33.3	28.4	15.3
12V190F	615.4	615.4	550.8	504.3	444.9	402.6	363.9	332.7	311.7	303.3	283.8	255.7	197.5	151.2	131.4	108.3	84.7	69.7	59.9	52.3	45.7	41.9	37.3	33.0	17.5

## 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



[www.enersys-emea.com](http://www.enersys-emea.com)

**EnerSys**  
P.O. Box 14145  
Reading, PA 19612-4145  
USA  
Tel: +1-610-208-1991  
Fax: +1-610-372-8613

**EnerSys EMEA**  
EH Europe GmbH  
Löwenstrasse 32  
8001 Zurich  
Switzerland

**EnerSys APAC**  
152 Beach Road  
Gateway East Building  
Level 11  
189721 Singapore  
Tel: +65 6508 1780

Contact:

© 2012 EnerSys. All rights reserved.  
Trademarks and logos are the property of  
EnerSys and its affiliates unless otherwise noted.