

data safe[®]
HX **PLUS**

data safe[®]
HX

PERFORMANCE DATA



EnerSys[®]

Power/Full Solutions

RESERVE
POWER

Discharge Currents (Amperes) to 1.85Vpc at 25°C

DataSafe HX+ Battery Type	Standby Time (Minutes)										Standby Time (Hours)								
	5	10	15	20	25	30	35	40	45	50	1	1.5	2	3	4	5	8	10	20
12HX360FR+	262.4	191.0	155.1	130.7	112.4	99.1	88.2	79.4	72.6	67.0	57.9	41.8	33.2	23.7	18.6	15.5	10.6	8.71	4.53
12HX420FR+	305.7	222.6	180.9	152.4	131.1	115.6	102.9	92.7	84.7	78.2	67.5	48.8	38.7	27.5	21.4	17.6	11.5	9.45	4.74
12HX505FR+	332.4	261.2	213.7	180.0	155.8	137.5	123.3	111.9	102.4	94.5	82.1	59.4	46.9	33.5	26.1	21.6	14.6	12.1	6.70
12HX560FR+	394.9	296.4	239.6	202.3	176.5	155.7	137.3	124.3	117.0	105.2	93.4	67.8	53.4	37.7	29.9	24.0	15.6	12.7	6.70

DataSafe HX Battery Type	Standby Time (Minutes)										Standby Time (Hours)								
	5	10	15	20	25	30	35	40	45	50	1	1.5	2	3	4	5	8	10	20
12HX25	19.1	12.6	9.67	7.91	6.70	5.85	5.10	4.65	4.33	4.00	3.42	2.42	1.94	1.37	1.05	0.87	0.56	0.46	0.24
12HX35	29.9	19.7	15.1	12.4	10.7	9.2	8.10	7.28	6.77	6.26	5.36	3.80	3.04	2.15	1.60	1.36	0.88	0.72	0.38
6HX50	46.5	30.6	23.5	19.3	16.5	14.2	12.6	11.3	10.5	9.7	8.34	5.90	4.73	3.34	2.50	2.12	1.36	1.11	0.56
12HX50	46.5	30.6	23.5	19.3	16.5	14.2	12.6	11.3	10.5	9.7	8.34	5.90	4.73	3.34	2.50	2.12	1.36	1.11	0.56
12HX80	66.4	43.7	33.6	27.5	23.9	20.4	18.1	16.2	15.1	13.9	11.9	8.44	6.76	4.77	3.50	3.03	1.95	1.59	0.84
12HX105	83.0	54.6	42.0	34.4	29.0	25.4	22.8	20.2	18.8	17.4	14.9	10.5	8.45	5.96	4.60	3.78	2.49	2.05	1.14
12HX135	112.1	73.7	56.8	46.4	40.0	34.4	30.0	27.3	25.4	23.5	20.1	14.2	11.4	8.05	6.10	5.11	3.36	2.77	1.54
12HX150	124.6	81.9	63.1	51.6	45.0	38.2	34.0	30.3	28.2	26.1	22.3	15.8	12.7	8.94	6.84	5.67	3.83	3.20	1.87
12HX205	156.8	109.8	85.5	70.5	57.8	52.7	47.0	42.4	38.7	35.6	30.8	22.0	17.3	12.2	9.5	7.84	5.24	4.33	2.45
12HX300	221.8	164.7	130.8	108.9	93.7	82.3	73.5	66.5	60.9	56.2	48.7	35.1	27.7	19.7	15.4	12.7	8.34	6.83	3.58
12HX330	258.8	192.0	152.6	127.1	109.3	96.0	85.7	77.6	71.0	65.5	56.8	41.0	32.3	23.0	18.0	14.8	9.72	7.97	4.18
12HX400	295.7	219.6	174.4	145.2	124.9	109.7	98.0	88.7	81.2	74.9	64.9	46.9	37.0	26.3	20.5	16.9	11.1	9.11	4.78
12HX505	332.4	261.2	213.7	180.0	155.8	137.5	123.3	111.9	102.4	94.5	82.1	59.4	46.9	33.5	26.1	21.6	14.6	12.1	6.70
12HX540	360.8	280.0	227.7	191.7	166.0	146.5	131.3	119.0	108.9	100.4	87.0	62.4	48.9	34.5	26.9	22.1	14.7	12.1	6.47
6HX800	467.8	376.4	312.9	268.3	235.0	209.8	190.0	173.0	159.2	147.5	128.8	97.9	79.6	56.3	43.6	35.7	23.3	19.0	10.1

Constant Power (Watts per cell) to 1.70Vpc at 25°C

DataSafe HX+ Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX360FR+	656.2	458.4	355.8	292.2	216.8	172.7	157.1	144.3	124.4	89.2	70.1	49.7	32.3	21.6	18.0	9.48
12HX420FR+	765.5	534.8	415.1	340.9	252.9	201.5	183.3	168.4	145.2	104.1	81.8	58.0	37.1	23.9	19.5	9.78
12HX505FR+	834.7	636.0	498.5	409.5	301.2	239.6	217.8	199.7	172.7	123.1	96.8	68.4	44.4	29.3	24.3	13.4
12HX560FR+	994.8	699.8	548.8	455.0	342.7	271.0	253.0	227.6	199.8	143.6	112.4	79.0	50.0	32.6	26.6	14.0

DataSafe HX Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX25	43.9	28.7	21.7	17.6	12.9	10.2	9.43	8.71	7.43	5.21	4.14	2.89	1.82	1.18	0.96	0.52
12HX35	68.8	44.9	34.0	27.6	20.2	16.0	14.8	13.6	11.6	8.16	6.48	4.52	2.86	1.84	1.51	0.81
6HX50	107.0	69.8	52.9	42.9	31.5	24.8	23.0	21.2	18.1	12.7	10.1	7.03	4.44	2.87	2.34	1.20
12HX50	107.0	69.8	52.9	42.9	31.5	24.8	23.0	21.2	18.1	12.7	10.1	7.03	4.44	2.87	2.34	1.20
12HX80	152.9	99.8	75.5	61.3	45.0	35.5	32.8	30.3	25.9	18.1	14.4	10.0	6.35	4.10	3.35	1.81
12HX105	191.1	124.7	94.4	76.6	56.2	44.4	41.0	37.9	32.3	22.7	18.0	12.6	7.93	5.24	4.32	2.44
12HX135	257.9	168.4	127.4	103.4	75.9	59.9	55.4	51.1	43.6	30.6	24.3	16.9	10.7	7.07	5.83	3.29
12HX150	286.6	187.1	141.6	114.9	84.3	66.6	61.5	56.8	48.5	34.0	27.0	18.8	11.9	8.06	6.74	4.00
12HX205	394.0	262.0	200.0	162.3	119.0	95.1	86.3	78.8	67.1	47.7	37.2	26.0	16.6	11.0	9.10	5.08
12HX300	530.9	369.5	286.4	235.8	176.1	141.7	129.4	119.1	103.2	74.3	58.6	41.4	26.6	17.4	14.2	7.42
12HX330	619.3	431.1	334.1	275.1	205.5	165.4	151.0	138.9	120.4	86.7	68.4	48.4	31.0	20.3	16.5	8.65
12HX400	707.8	492.7	381.8	314.4	234.8	189.0	172.6	158.8	137.6	99.1	78.1	55.3	35.4	23.2	18.9	9.89
12HX505	834.7	636.0	498.5	409.5	301.2	239.6	217.8	199.7	172.7	123.1	96.8	68.4	44.4	29.3	24.3	13.4
12HX540	890.8	673.6	532.0	438.1	325.8	259.5	235.9	216.2	186.1	132.4	103.7	72.8	46.5	30.4	24.8	13.2
6HX800	1259.0	944.0	758.0	636.0	484.0	393.1	359.6	331.5	287.1	221.5	173.1	121.1	76.2	49.5	40.3	21.5

Constant Power (Watts per cell) to 1.75Vpc at 25°C

DataSafe HX+ Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX360FR+	636.3	450.8	350.1	287.1	212.4	169.3	154.1	141.6	122.4	88.1	69.4	49.3	32.0	21.5	17.9	9.48
12HX420FR+	741.7	525.9	408.5	334.9	247.8	197.6	179.8	165.3	142.8	102.8	81.0	57.4	36.7	23.7	19.4	9.81
12HX505FR+	772.3	596.6	479.2	397.9	297.7	239.4	217.8	199.7	172.7	123.1	96.8	68.4	44.4	29.3	24.3	13.4
12HX560FR+	916.4	661.8	525.1	438.4	332.8	264.0	247.2	222.3	195.9	141.4	110.8	78.0	49.4	32.2	26.3	13.9

DataSafe HX Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX25	41.5	27.4	20.9	17.0	12.6	9.94	9.21	8.51	7.28	5.11	4.07	2.85	1.80	1.16	0.95	0.51
12HX35	64.9	42.9	32.7	26.6	19.6	15.6	14.4	13.3	11.4	8.00	6.37	4.46	2.82	1.82	1.49	0.80
6HX50	101.0	66.8	50.9	41.4	30.6	24.2	22.4	20.7	17.7	12.5	9.92	6.93	4.38	2.83	2.32	1.18
12HX50	101.0	66.8	50.9	41.4	30.6	24.2	22.4	20.7	17.7	12.5	9.92	6.93	4.38	2.83	2.32	1.18
12HX80	144.3	95.4	72.7	59.2	43.7	34.6	32.0	29.6	25.3	17.8	14.2	9.90	6.26	4.05	3.31	1.79
12HX105	180.4	119.3	90.8	74.0	54.6	43.2	40.1	37.0	31.7	22.2	17.7	12.4	7.83	5.17	4.27	2.41
12HX135	243.5	161.0	122.6	99.9	73.7	58.3	54.1	50.0	42.7	30.0	23.9	16.7	10.6	6.98	5.76	3.26
12HX150	270.6	178.9	136.3	111.0	81.9	64.8	60.1	55.5	47.5	33.4	26.6	18.6	11.7	7.96	6.66	3.95
12HX205	365.0	248.0	190.0	155.4	115.0	91.8	83.5	76.7	66.0	46.4	36.2	25.5	16.3	10.8	8.90	5.01
12HX300	500.6	359.2	281.7	233.2	175.0	141.4	129.2	119.0	103.2	74.3	58.6	41.4	26.6	17.4	14.2	7.42
12HX330	584.0	419.1	328.6	272.1	204.2	164.9	150.7	138.9	120.4	86.7	68.4	48.4	31.0	20.3	16.5	8.65
12HX400	667.5	479.0	375.5	311.0	233.3	188.5	172.3	158.7	137.6	99.1	78.1	55.3	35.4	23.2	18.9	9.89
12HX505	772.3	596.6	479.2	397.9	297.7	239.4	217.8	199.7	172.7	123.1	96.8	68.4	44.4	29.3	24.3	13.4
12HX540	826.4	634.4	510.8	424.2	317.4	255.3	233.0	214.4	185.4	132.4	103.7	72.8	46.5	30.4	24.8	13.2
6HX800	1141.0	877.0	713.0	603.0	463.0	377.9	346.3	319.8	277.7	215.3	168.8	118.4	74.8	48.7	39.7	21.2

Constant Power (Watts per cell) to 1.80Vpc at 25°C

DataSafe HX+ Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX360FR+	576.6	418.8	336.3	279.0	206.9	165.1	150.0	137.8	119.4	86.3	68.3	48.6	31.5	21.2	17.7	9.47
12HX420FR+	671.7	488.2	392.1	325.5	241.3	192.7	175.0	160.8	139.3	100.7	79.7	56.6	36.2	23.3	19.1	9.65
12HX505FR+	711.7	548.2	446.3	375.5	286.1	231.5	211.7	195.3	169.5	122.7	96.8	68.4	44.4	29.3	24.3	13.4
12HX560FR+	832.3	617.2	495.9	417.2	319.7	254.6	239.3	215.2	190.5	138.2	108.6	76.7	48.7	31.8	25.9	13.7

DataSafe HX Battery Type	Standby Time (Minutes)								Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20
12HX25	38.7	25.9	19.8	16.2	12.1	9.58	8.91	8.25	7.07	4.99	3.99	2.80	1.77	1.14	0.93	0.50
12HX35	60.5	40.5	31.1	25.4	18.9	15.0	13.9	12.9	11.1	7.81	6.25	4.38	2.77	1.79	1.46	0.79
6HX50	94.2	63.0	48.3	39.5	29.4	23.3	21.7	20.1	17.2	12.1	9.72	6.82	4.31	2.78	2.27	1.16
12HX50	94.2	63.0	48.3	39.5	29.4	23.3	21.7	20.1	17.2	12.1	9.72	6.82	4.31	2.78	2.27	1.16
12HX80	134.5	90.0	69.0	56.5	42.0	33.3	31.0	28.7	24.6	17.4	13.9	9.74	6.16	3.98	3.25	1.75
12HX105	168.2	112.5	86.3	70.6	52.5	41.7	38.7	35.9	30.7	21.7	17.4	12.2	7.70	5.08	4.19	2.36
12HX135	227.0	151.8	116.5	95.3	70.8	56.2	52.3	48.4	41.5	29.3	23.4	16.4	10.4	6.85	5.65	3.18
12HX150	252.2	168.7	129.4	105.9	78.7	62.5	58.1	53.8	46.1	32.5	26.0	18.3	11.6	7.82	6.53	3.86
12HX205	331.7	230.0	178.3	146.6	109.1	87.5	79.7	72.5	62.6	44.7	35.0	24.6	15.8	10.5	8.70	4.93
12HX300	457.5	339.2	269.6	224.1	169.3	137.2	125.4	115.7	100.5	72.7	57.5	40.8	26.3	17.3	14.1	7.42
12HX330	533.8	395.7	314.5	261.4	197.5	160.0	146.3	135.0	117.2	84.8	67.1	47.6	30.7	20.2	16.5	8.65
12HX400	610.0	452.2	359.4	298.8	225.7	182.9	167.2	154.3	134.0	96.9	76.7	54.4	35.1	23.1	18.8	9.89
12HX505	711.7	548.2	446.3	375.5	286.1	231.5	211.7	195.3	169.5	122.7	96.8	68.4	44.4	29.3	24.3	13.4
12HX540	762.9	584.9	476.6	400.2	303.7	245.6	224.6	207.0	179.2	128.8	101.4	71.6	46.1	30.4	24.8	13.2
6HX800	1011.2	800.2	659.5	562.3	436.6	358.4	329.3	304.7	265.4	207.1	163.0	114.9	72.9	47.6	38.8	20.8

Constant Power (Watts per cell) to 1.85Vpc at 25°C

DataSafe HX+ Battery Type	Standby Time (Minutes)									Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20	
12HX360FR+	491.2	359.8	294.3	249.5	190.2	153.2	140.0	129.4	112.4	81.0	64.2	46.0	30.1	20.6	17.0	8.90	
12HX420FR+	572.2	419.4	343.2	291.0	221.8	178.7	163.3	150.9	131.1	94.5	75.0	53.3	34.3	22.4	18.4	9.34	
12HX505FR+	607.3	486.8	402.4	339.8	262.4	215.1	197.3	182.3	158.7	115.8	91.9	65.7	43.1	28.7	23.9	13.2	
12HX560FR+	745.2	567.6	462.2	392.2	303.8	243.2	229.5	206.5	183.8	134.2	105.9	75.1	47.9	31.3	25.5	13.5	

DataSafe HX Battery Type	Standby Time (Minutes)									Standby Time (Hours)							
	5	10	15	20	30	40	45	50	1	1.5	2	3	5	8	10	20	
12HX25	35.6	24.1	18.6	15.3	11.5	9.14	8.53	7.92	6.81	4.83	3.89	2.74	1.74	1.12	0.92	0.49	
12HX35	55.7	37.7	29.1	24.0	17.9	14.3	13.4	12.4	10.7	7.57	6.08	4.29	2.73	1.76	1.43	0.77	
6HX50	86.6	58.6	45.3	37.3	27.9	22.3	20.8	19.3	16.6	11.8	9.46	6.68	4.24	2.73	2.23	1.13	
12HX50	86.6	58.6	45.3	37.3	27.9	22.3	20.8	19.3	16.6	11.8	9.46	6.68	4.24	2.73	2.23	1.13	
12HX80	123.8	83.7	64.7	53.3	39.9	31.8	29.7	27.6	23.7	16.8	13.5	9.54	6.06	3.90	3.18	1.71	
12HX105	154.7	104.6	80.9	66.6	49.9	39.8	37.1	34.5	29.6	21.0	16.9	11.9	7.58	4.98	4.11	2.30	
12HX135	208.9	141.3	109.2	89.9	67.3	53.7	50.1	46.5	40.0	28.4	22.8	16.1	10.2	6.73	5.55	3.11	
12HX150	232.1	157.0	121.3	99.9	74.8	59.6	55.7	51.7	44.4	31.5	25.3	17.9	11.4	7.68	6.40	3.77	
12HX205	296.3	210.0	164.6	136.1	102.2	82.3	75.1	68.5	59.2	42.5	33.4	23.6	15.2	10.2	8.50	4.83	
12HX300	408.5	309.5	247.7	207.4	158.4	128.6	117.9	109.0	94.7	68.6	54.3	38.7	25.0	16.5	13.5	7.15	
12HX330	476.6	361.1	289.0	241.9	184.8	150.1	137.6	127.1	110.5	80.1	63.4	45.1	29.2	19.2	15.7	8.35	
12HX400	544.7	412.7	330.3	276.5	211.2	171.5	157.2	145.3	126.3	91.5	72.4	51.5	33.3	22.0	18.0	9.54	
12HX505	607.3	486.8	402.4	339.8	262.4	215.1	197.3	182.3	158.7	115.8	91.9	65.7	43.1	28.7	23.9	13.2	
12HX540	660.8	522.7	429.1	362.5	279.8	229.2	210.1	194.1	168.7	121.8	95.9	67.8	43.8	29.0	23.9	12.8	
6HX800	875.1	715.4	599.1	515.9	405.5	335.4	309.0	286.7	250.7	197.1	155.9	110.5	70.5	46.2	37.8	20.3	



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