

EnerSys®

Power/Full Solutions



PowerSafe®
SBSXC+

Performance Data

Constant Current Discharge Performance Data

Discharge Current (Amperes) to 1.75Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	62.4	35.7	25.4	19.9	16.5	14.1	12.4	11.1	10.1	9.2	4.81
SBS XC+ 150F-FT	105	60.8	43.6	34.3	28.4	24.3	21.3	18.9	17.1	15.6	8.43
SBS XC+ 190F-FT	133	77.4	55.0	42.9	35.3	30.0	26.2	23.2	20.9	19.0	9.98
SBS XC+ 210F-FT	139	81.6	58.5	45.9	37.9	32.3	28.2	25.0	22.5	20.5	10.7
SBS XC+ 320	184	122	90.7	71.5	59.0	50.3	43.9	39.0	35.1	32.0	17.0
SBS XC+ 400	230	152	113	89.4	73.7	62.8	54.9	48.7	43.9	40.0	21.2
SBS XC+ 580	334	221	164	129	107	91.1	79.6	70.7	63.7	58.0	30.8
SBS XC+ 680	391	259	192	152	125	106	93.3	82.9	74.7	68.0	36.1
SBS XC+ 780	449	297	221	174	143	122	107	95.1	85.6	78.0	41.4
SBS XC+ 900	518	343	255	201	166	141	123	109	98.8	90.0	47.8
SBS XC+ 970	569	357	264	208	173	149	131	117	106	97.0	49.9
SBS XC+ 1200	739	464	343	270	225	193	170	152	137	126	64.8
SBS XC+ 1500	915	575	424	335	279	239	210	188	170	156	80.3
SBS XC+ 1800	1097	689	509	402	334	287	252	225	204	187	96.2

Discharge Current (Amperes) to 1.80Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	60.8	35.2	25.1	19.7	16.3	14.0	12.3	11.0	10.0	9.20	4.78
SBS XC+ 150F-FT	101	58.7	42.2	33.2	27.5	23.5	20.6	18.3	16.5	15.1	8.17
SBS XC+ 190F-FT	126	74.9	53.9	42.3	34.9	29.8	26.1	23.1	20.8	19.0	9.98
SBS XC+ 210F-FT	132	79.4	57.5	45.4	37.6	32.2	28.1	25.0	22.5	20.5	10.7
SBS XC+ 320	167	113	86.2	69.5	58.4	50.3	43.9	39.0	35.1	32.0	17.0
SBS XC+ 400	209	142	107	86.9	73.0	62.8	54.9	48.7	43.9	40.0	21.2
SBS XC+ 580	303	206	156	126	105	91.1	79.6	70.7	63.7	58.0	30.8
SBS XC+ 680	355	242	183	147	124	106	93.3	82.9	74.7	68.0	36.1
SBS XC+ 780	407	277	210	169	142	122	107	95.1	85.6	78.0	41.4
SBS XC+ 900	470	320	242	195	164	141	123	109	98.8	90.0	47.8
SBS XC+ 970	525	340	254	204	171	148	131	117	106	97.0	49.9
SBS XC+ 1200	682	442	330	265	223	193	170	152	137	126	64.8
SBS XC+ 1500	845	548	408	328	276	239	210	188	170	156	80.3
SBS XC+ 1800	1013	657	489	393	331	286	252	225	204	187	96.2

Discharge Current (Amperes) to 1.85Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	58.3	34.2	24.8	19.4	16.2	13.9	12.2	10.9	9.94	9.08	4.71
SBS XC+ 150F-FT	95.0	55.3	39.6	31.1	25.8	22.1	19.4	17.3	15.6	14.2	7.67
SBS XC+ 190F-FT	115	69.3	50.2	39.6	32.8	28.0	24.5	21.8	19.6	17.9	9.47
SBS XC+ 210F-FT	121	73.9	53.8	42.6	35.3	30.2	26.5	23.6	21.2	19.3	10.2
SBS XC+ 320	146	102	79.1	64.5	54.5	47.3	41.8	37.6	34.1	31.3	17.0
SBS XC+ 400	183	128	98.9	80.6	68.1	59.1	52.3	47.0	42.6	39.1	21.2
SBS XC+ 580	266	186	143	117	98.8	85.7	75.8	68.1	61.8	56.7	30.8
SBS XC+ 680	311	218	168	137	115	100	88.9	79.9	72.5	66.5	36.1
SBS XC+ 780	357	250	192	157	133	115	102	91.6	83.2	76.2	41.4
SBS XC+ 900	412	289	222	181	153	133	117	105	96.0	88.0	47.8
SBS XC+ 970	470	315	239	192	162	140	124	112	102	93.3	48.9
SBS XC+ 1200	611	409	310	250	211	182	161	145	132	121	63.5
SBS XC+ 1500	756	506	384	310	261	226	200	180	164	150	78.7
SBS XC+ 1800	907	607	461	371	313	271	240	216	196	179	94.3

Constant Current Discharge Performance Data

Discharge Current (Amperes) to 1.75Vpc at 25°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	64.34	36.65	25.83	20.26	16.78	14.38	12.65	11.32	10.28	9.417	4.908
SBS XC+ 150F-FT	108.3	62.33	44.37	34.89	28.91	24.76	21.70	19.32	17.44	15.89	8.587
SBS XC+ 190F-FT	137.4	79.37	55.97	43.70	35.97	30.62	26.69	23.68	21.29	19.35	10.17
SBS XC+ 210F-FT	143.0	83.61	59.51	46.69	38.55	32.89	28.72	25.51	22.95	20.87	10.98
SBS XC+ 320	187.8	124.5	92.14	72.77	60.05	51.20	44.70	39.73	35.78	32.57	17.34
SBS XC+ 400	234.8	155.6	115.2	90.96	75.06	64.00	55.88	49.66	44.73	40.71	21.67
SBS XC+ 580	340.6	225.6	167.0	131.9	108.8	92.79	81.02	72.00	64.85	59.04	31.42
SBS XC+ 680	399.3	264.5	195.8	154.6	127.6	108.8	94.99	84.42	76.04	69.22	36.84
SBS XC+ 780	457.9	303.3	224.6	177.4	146.4	124.8	109.0	96.83	87.22	79.39	42.26
SBS XC+ 900	528.5	350.0	259.1	204.7	168.9	144.0	125.7	111.7	100.6	91.61	48.76
SBS XC+ 970	582.6	365.4	268.3	212.0	176.4	151.6	133.3	119.1	107.9	98.68	50.88
SBS XC+ 1200	743.4	474.6	348.5	275.4	229.1	196.9	173.1	154.7	140.2	128.2	66.10
SBS XC+ 1500	921.3	587.6	431.5	340.9	283.7	243.8	214.3	191.6	173.6	158.7	81.83
SBS XC+ 1800	1123	704.4	517.2	408.7	340.1	292.3	256.9	229.7	208.1	190.2	98.09

Discharge Current (Amperes) to 1.80Vpc at 25°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	62.68	36.13	25.61	20.10	16.66	14.28	12.57	11.27	10.23	9.370	4.881
SBS XC+ 150F-FT	104.5	60.18	42.90	33.76	27.97	23.96	21.00	18.70	16.87	15.37	8.328
SBS XC+ 190F-FT	130.5	76.69	54.79	43.08	35.60	30.40	26.57	23.60	21.26	19.34	10.17
SBS XC+ 210F-FT	136.6	81.28	58.50	46.19	38.29	32.76	28.66	25.50	22.95	20.87	10.98
SBS XC+ 320	170.1	116.0	87.56	70.60	59.38	51.20	44.70	39.73	35.78	32.57	17.34
SBS XC+ 400	212.6	145.0	109.5	88.26	74.22	64.00	55.88	49.66	44.73	40.71	21.67
SBS XC+ 580	308.3	210.3	158.7	128.0	107.6	92.79	81.02	72.00	64.85	59.04	31.42
SBS XC+ 680	361.4	246.6	186.1	150.0	126.2	108.8	94.99	84.42	76.04	69.22	36.84
SBS XC+ 780	414.6	282.8	213.4	172.1	144.7	124.8	109.0	96.83	87.22	79.39	42.26
SBS XC+ 900	478.4	326.3	246.3	198.6	167.0	144.0	125.7	111.7	100.6	91.61	48.76
SBS XC+ 970	537.0	348.0	257.9	207.3	174.4	151.0	133.3	119.1	107.9	98.68	50.88
SBS XC+ 1200	697.5	452.0	335.0	269.3	226.5	196.2	173.1	154.7	140.2	128.2	66.10
SBS XC+ 1500	863.5	559.6	414.8	333.4	280.4	242.9	214.3	191.6	173.6	158.7	81.83
SBS XC+ 1800	1035	670.8	497.2	399.7	336.2	291.2	256.9	229.7	208.1	190.2	98.09

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

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	60.17	35.15	25.24	19.77	16.52	14.15	12.44	11.13	10.11	9.244	4.803
SBS XC+ 150F-FT	97.85	56.69	40.31	31.70	26.28	22.52	19.73	17.59	15.89	14.46	7.821
SBS XC+ 190F-FT	118.3	70.94	51.03	40.29	33.38	28.55	24.97	22.21	20.02	18.23	9.651
SBS XC+ 210F-FT	125.1	75.63	54.70	43.33	35.97	30.81	26.98	24.02	21.66	19.72	10.44
SBS XC+ 320	149.2	104.8	80.20	65.46	55.39	48.07	42.54	38.21	34.70	31.81	17.34
SBS XC+ 400	186.4	131.0	100.3	81.83	69.23	60.09	53.17	47.76	43.38	39.77	21.67
SBS XC+ 580	270.3	189.9	145.4	118.7	100.4	87.12	77.10	69.25	62.90	57.66	31.42
SBS XC+ 680	316.9	222.7	170.4	139.1	117.7	102.1	90.39	81.19	73.74	67.60	36.84
SBS XC+ 780	363.6	255.4	195.5	159.6	135.0	117.2	103.7	93.13	84.59	77.55	42.26
SBS XC+ 900	419.5	294.7	225.6	184.1	155.8	135.2	119.6	107.5	97.60	89.48	48.76
SBS XC+ 970	480.1	321.1	242.6	195.8	165.0	143.1	126.6	113.9	103.7	94.96	49.83
SBS XC+ 1200	623.6	417.1	315.1	254.3	214.3	185.8	164.4	147.9	134.6	123.4	64.73
SBS XC+ 1500	772.1	516.5	390.1	314.9	265.3	230.1	203.6	183.1	166.7	152.7	80.14
SBS XC+ 1800	925.6	619.1	467.7	377.5	318.1	275.8	244.0	219.5	199.8	183.1	96.07

Constant Power Discharge Performance Data

Discharge Power (Watts per cell) to 1.75Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	116	68.7	49.0	38.5	31.9	27.3	24.0	21.4	19.4	17.8	9.40
SBS XC+ 150F-FT	200	117	84.7	66.8	55.3	47.4	41.6	37.1	33.5	30.5	16.4
SBS XC+ 190F-FT	247	147	106	83.2	68.7	58.6	51.1	45.4	40.9	37.2	19.6
SBS XC+ 210F-FT	260	156	112	89.1	73.8	63.1	55.2	49.1	44.2	40.2	21.3
SBS XC+ 320	329	225	170	136	113	97.7	85.8	76.5	69.1	62.9	33.8
SBS XC+ 400	412	281	213	171	142	122	107	95.7	86.3	78.7	42.3
SBS XC+ 580	597	408	308	248	206	177	155	138	125	114	61.3
SBS XC+ 680	701	478	362	291	241	207	182	162	146	133	71.9
SBS XC+ 780	803	549	415	333	277	238	209	186	168	153	82.5
SBS XC+ 900	927	633	479	385	320	275	241	215	194	177	95.2
SBS XC+ 970	1041	679	503	402	336	289	255	228	207	190	99.4
SBS XC+ 1200	1319	882	654	522	436	376	331	297	269	246	129
SBS XC+ 1500	1634	1092	810	646	540	465	410	368	333	305	159
SBS XC+ 1800	2007	1309	971	775	647	558	492	441	399	366	191

Discharge Power (Watts per cell) to 1.80Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	116	68.0	48.8	38.4	31.8	27.2	23.9	21.4	19.4	17.8	9.36
SBS XC+ 150F-FT	195	114	82.6	65.1	54.0	46.2	40.5	36.1	32.6	29.7	16.0
SBS XC+ 190F-FT	239	143	104	82.2	68.0	58.2	50.9	45.3	40.8	37.2	19.6
SBS XC+ 210F-FT	251	152	112	88.2	73.3	62.8	55.0	49.0	44.2	40.2	21.3
SBS XC+ 320	306	213	163	133	112	97.5	85.8	76.5	69.1	62.9	33.8
SBS XC+ 400	382	266	204	166	140	121	107	95.7	86.3	78.7	42.3
SBS XC+ 580	554	386	296	241	203	176	155	138	125	114	61.3
SBS XC+ 680	650	452	347	282	238	207	182	162	146	133	71.9
SBS XC+ 780	746	519	398	324	273	237	209	186	168	153	82.5
SBS XC+ 900	861	599	459	374	315	274	241	215	194	177	95.2
SBS XC+ 970	979	652	486	394	332	287	255	228	207	190	99.4
SBS XC+ 1200	1273	847	632	511	431	374	331	297	269	246	129
SBS XC+ 1500	1576	1049	782	633	534	463	410	368	333	305	159
SBS XC+ 1800	1889	1258	938	759	640	555	491	441	399	366	191

Discharge Power (Watts per cell) to 1.85Vpc at 20°C

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	113	66.7	48.3	38.0	31.6	27.1	23.9	21.3	19.4	17.7	9.26
SBS XC+ 150F-FT	185	108	78.3	61.6	51.1	43.8	38.4	34.3	31.0	28.2	15.2
SBS XC+ 190F-FT	221	134	97.9	77.5	64.3	55.0	48.2	42.9	38.7	35.3	18.7
SBS XC+ 210F-FT	233	143	105	83.5	69.4	59.6	52.2	46.5	41.9	38.2	20.3
SBS XC+ 320	274	195	151	124	105	92.4	82.0	73.7	67.0	61.4	33.8
SBS XC+ 400	343	244	189	155	132	115	102	92.2	83.8	76.8	42.3
SBS XC+ 580	497	354	275	225	191	167	148	133	121	111	61.3
SBS XC+ 680	583	415	322	264	225	196	174	156	142	130	71.9
SBS XC+ 780	669	476	370	303	258	225	200	179	163	149	82.5
SBS XC+ 900	771	550	427	350	297	259	230	207	188	172	95.2
SBS XC+ 970	894	607	462	375	316	275	244	219	200	183	97.4
SBS XC+ 1200	1162	789	601	488	411	357	317	285	260	238	126
SBS XC+ 1500	1438	977	744	604	509	442	392	353	321	295	156
SBS XC+ 1800	1724	1171	892	724	610	530	471	423	385	354	187

Constant Power Discharge Performance Data

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

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	118.7	70.50	49.89	39.24	32.46	27.76	24.39	21.83	19.79	18.15	9.583
SBS XC+ 150F-FT	203.6	120.7	86.18	67.93	56.32	48.26	42.33	37.75	34.09	31.10	16.79
SBS XC+ 190F-FT	250.1	151.5	107.8	84.70	69.92	59.63	52.09	46.29	41.66	37.91	20.06
SBS XC+ 210F-FT	262.0	159.8	114.7	90.61	75.06	64.19	56.19	49.97	44.99	40.97	21.70
SBS XC+ 320	331.3	229.5	172.9	139.2	115.7	99.39	87.34	77.90	70.31	64.07	34.49
SBS XC+ 400	414.2	286.9	216.2	173.9	144.7	124.2	109.2	97.38	87.89	80.09	43.11
SBS XC+ 580	600.9	416.0	313.4	252.2	209.8	180.1	158.3	141.2	127.4	116.1	62.51
SBS XC+ 680	704.7	487.8	367.5	295.7	246.0	211.2	185.6	165.5	149.4	136.2	73.29
SBS XC+ 780	807.3	559.5	421.5	339.2	282.1	242.3	212.9	189.9	171.4	156.2	84.07
SBS XC+ 900	932.2	645.6	486.3	391.4	325.5	279.5	245.6	219.1	197.8	180.2	97.00
SBS XC+ 970	1063	693.3	511.5	408.5	341.6	294.2	259.5	232.6	210.8	193.2	101.3
SBS XC+ 1200	1327	900.6	664.4	530.6	443.7	382.2	337.0	302.1	273.8	251.0	131.6
SBS XC+ 1500	1644	1115	822.6	657.0	549.3	473.1	417.3	374.0	339.0	310.7	162.9
SBS XC+ 1800	2049	1337	986.1	787.5	658.5	567.2	500.2	448.4	406.4	372.5	195.3

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

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	118.7	69.77	49.63	39.12	32.38	27.72	24.34	21.79	19.79	18.12	9.547
SBS XC+ 150F-FT	200.8	117.6	83.99	66.20	54.91	47.06	41.28	36.81	33.23	30.30	16.35
SBS XC+ 190F-FT	246.3	147.0	105.7	83.58	69.23	59.21	51.83	46.13	41.56	37.87	20.06
SBS XC+ 210F-FT	257.8	156.0	113.0	89.72	74.54	63.90	56.04	49.91	44.99	40.97	21.70
SBS XC+ 320	311.2	217.0	165.7	135.0	114.0	99.02	87.34	77.90	70.31	64.07	34.49
SBS XC+ 400	389.0	271.3	207.1	168.7	142.5	123.8	109.2	97.38	87.89	80.09	43.11
SBS XC+ 580	564.0	393.4	300.3	244.6	206.6	179.5	158.3	141.2	127.4	116.1	62.51
SBS XC+ 680	661.3	461.2	352.1	286.8	242.2	210.4	185.6	165.5	149.4	136.2	73.29
SBS XC+ 780	758.5	529.0	403.8	329.0	277.9	241.4	212.9	189.9	171.4	156.2	84.07
SBS XC+ 900	875.2	610.4	466.0	379.6	320.6	278.5	245.6	219.1	197.8	180.2	97.00
SBS XC+ 970	999.3	665.4	494.1	399.9	337.2	292.4	259.1	232.6	210.8	193.2	101.3
SBS XC+ 1200	1298	864.3	641.8	519.5	438.1	379.9	336.6	302.1	273.8	251.0	131.6
SBS XC+ 1500	1607	1070	794.6	643.1	542.4	470.3	416.7	374.0	339.0	310.7	162.9
SBS XC+ 1800	1926	1283	952.5	770.9	650.1	563.8	499.6	448.4	406.4	372.5	195.3

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

Battery Type	Standby Time (Hours)										
	1	2	3	4	5	6	7	8	9	10	20
SBS XC+ 92F / SBS XC+ 92F-FT	116.5	68.45	49.04	38.67	32.13	27.59	24.30	21.76	19.72	18.08	9.437
SBS XC+ 150F-FT	191.5	111.5	79.59	62.70	52.01	44.59	39.12	34.89	31.54	28.78	15.55
SBS XC+ 190F-FT	226.7	137.3	99.44	78.86	65.39	56.03	49.11	43.73	39.45	35.95	19.12
SBS XC+ 210F-FT	239.8	146.5	106.6	84.93	70.63	60.65	53.16	47.33	42.72	38.95	20.74
SBS XC+ 320	278.5	199.1	153.9	126.4	107.4	93.80	83.32	74.96	68.14	62.48	34.49
SBS XC+ 400	348.2	248.8	192.4	158.0	134.3	117.2	104.1	93.70	85.18	78.10	43.11
SBS XC+ 580	504.8	360.8	279.0	229.1	194.7	170.0	151.0	135.9	123.5	113.2	62.51
SBS XC+ 680	591.9	423.0	327.1	268.6	228.3	199.3	177.1	159.3	144.8	132.8	73.29
SBS XC+ 780	678.9	485.2	375.2	308.1	261.9	228.6	203.1	182.7	166.1	152.3	84.07
SBS XC+ 900	783.4	559.9	432.9	355.5	302.2	263.8	234.3	210.8	191.7	175.7	97.00
SBS XC+ 970	911.4	619.0	469.4	381.6	321.7	279.7	248.2	223.2	203.3	186.9	99.26
SBS XC+ 1200	1184	804.1	609.7	495.6	417.9	363.3	322.3	289.9	264.1	242.8	128.9
SBS XC+ 1500	1466	995.6	754.9	613.6	517.4	449.8	399.1	358.9	327.0	300.6	159.6
SBS XC+ 1800	1757	1193	904.9	735.6	620.2	539.1	478.4	430.3	392.0	360.3	191.4

Contact:

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