EnerSys®

Power/Full Solutions

SuperSafe® SBS XC

Performance Data

Constant Current Discharge Performance Data

Discharge Current (Amperes) to 1.70Vpc at 20°C

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	109	97.1	87.6	80.0	63.7	36.2	25.6	20.1	16.6	14.2	12.5	11.2	10.2	9.30	4.84
SBS XC 92F-FT	109	97.1	87.6	80.0	63.7	36.2	25.6	20.1	16.6	14.2	12.5	11.2	10.2	9.30	4.84
SBS XC 150F-FT	173	157	143	131	107	61.8	44.2	34.7	28.8	24.6	21.5	19.2	17.3	15.7	8.48
SBS XC 190F-FT	227	203	185	170	136	77.5	55.0	43.0	35.3	30.1	26.2	23.3	20.9	19.0	10.0
SBS XC 320	267	253	241	229	198	127	91.4	71.5	59.0	50.3	43.9	39.0	35.2	32.0	17.0
SBS XC 400	334	317	301	286	248	159	114	89.4	73.8	62.9	54.9	48.8	43.9	40.0	21.3
SBS XC 580	484	459	436	415	359	231	166	130	107	91.2	79.6	70.8	63.7	58.0	30.9
SBS XC 680	568	539	512	487	421	271	194	152	125	107	93.3	83.0	74.7	68.0	36.2
SBS XC 780	652	618	587	559	483	310	223	174	144	123	107	95.1	85.7	78.0	41.5
SBS XC 900	752	713	677	644	557	358	257	201	166	142	124	110	98.9	90.0	47.9
SBS XC 970	875	818	767	718	603	364	264	208	173	149	131	117	106	97.0	49.9
SBS XC 1200	1137	1064	996	933	783	473	343	270	225	193	170	152	137	126	64.8
SBS XC 1500	1407	1317	1234	1155	970	586	424	335	279	239	210	188	170	156	80.3
SBS XC 1800	1687	1579	1480	1385	1163	703	509	402	334	287	252	225	204	187	96.2

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	106	94.4	85.4	78.0	62.5	35.8	25.4	19.9	16.5	14.1	12.4	11.1	10.1	9.26	4.81
SBS XC 92F-FT	106	94.4	85.4	78.0	62.5	35.8	25.4	19.9	16.5	14.1	12.4	11.1	10.1	9.26	4.81
SBS XC 150F-FT	168	153	140	129	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	217	196	179	165	133	77.5	55.0	43.0	35.3	30.1	26.2	23.3	20.9	19.0	10.0
SBS XC 320	243	231	220	210	184	122	90.7	71.5	59.0	50.3	43.9	39.0	35.2	32.0	17.0
SBS XC 400	304	289	276	263	230	152	113	89.4	73.8	62.9	54.9	48.8	43.9	40.0	21.3
SBS XC 580	440	419	400	381	334	221	164	130	107	91.2	79.6	70.8	63.7	58.0	30.9
SBS XC 680	516	491	469	447	392	259	193	152	125	107	93.3	83.0	74.7	68.0	36.2
SBS XC 780	592	564	537	513	449	297	221	174	144	123	107	95.1	85.7	78.0	41.5
SBS XC 900	683	650	620	592	518	343	255	201	166	142	124	110	98.9	90.0	47.9
SBS XC 970	813	763	713	670	569	357	264	208	173	149	131	117	106	97.0	49.9
SBS XC 1200	1057	991	927	870	739	464	343	270	225	193	170	152	137	126	64.8
SBS XC 1500	1309	1227	1148	1078	915	575	424	335	279	239	210	188	170	156	80.3
SBS XC 1800	1569	1471	1376	1292	1097	689	509.	402	334	287	252	225	204	187	96.2

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	101	91.1	82.9	75.8	60.8	35.3	25.2	19.8	16.4	14.0	12.4	11.1	10.1	9.21	4.79
SBS XC 92F-FT	101	91.1	82.9	75.8	60.8	35.3	25.2	19.8	16.4	14.0	12.4	11.1	10.1	9.21	4.79
SBS XC 150F-FT	161	146	134	123	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	201	183	168	155	127	74.9	53.9	42.4	35.0	29.9	26.1	23.2	20.9	19.0	10.0
SBS XC 320	216	206	197	188	167	114	86.3	69.5	58.5	50.3	43.9	39.0	35.2	32.0	17.0
SBS XC 400	269	257	246	236	209	142	108	86.9	73.1	62.9	54.9	48.8	43.9	40.0	21.3
SBS XC 580	391	373	356	341	303	206	156	126	106	91.2	79.6	70.8	63.7	58.0	30.9
SBS XC 680	458	437	418	400	355	242	183	148	124	107	93.3	83.0	74.7	68.0	36.2
SBS XC 780	525	501	479	459	407	278	210	170	142	123	107	95.1	85.7	78.0	41.5
SBS XC 900	606	579	553	530	470	320	243	196	164	142	124	110	98.9	90.0	47.9
SBS XC 970	733	687	646	610	525	340	254	204	171	148	131	117	106	97.0	49.9
SBS XC 1200	952	892	839	793	682	442	330	265	223	193	170	152	137	126	64.8
SBS XC 1500	1180	1105	1040	982	845	548	408	328	276	239	210	188	170	156	80.3
SBS XC 1800	1414	1325	1246	1177	1013	657	489	393	331	286	252	225	204	187	96.2

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	94.7	85.0	77.6	71.9	58.4	34.3	24.8	19.5	16.2	13.9	12.2	11.0	9.94	9.08	4.71
SBS XC 92F-FT	94.7	85.0	77.6	71.9	58.4	34.3	24.8	19.5	16.2	13.9	12.2	11.0	9.94	9.08	4.71
SBS XC 150F-FT	149	136	125	115	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	178	163	150	139	115	69.3	50.2	39.6	32.8	28.1	24.5	21.8	19.7	17.9	9.48
SBS XC 320	185	177	170	164	147	103	79.1	64.5	54.5	47.3	41.9	37.6	34.1	31.3	17.0
SBS XC 400	231	222	213	205	183	129	98.9	80.7	68.2	59.2	52.3	47.0	42.7	39.1	21.3
SBS XC 580	335	321	309	297	266	187	143	117	98.9	85.8	75.9	68.1	61.9	56.7	30.9
SBS XC 680	393	377	362	348	312	219	168	137	116	101	89.0	79.9	72.6	66.5	36.2
SBS XC 780	450	432	415	399	358	251	193	157	133	115	102	91.6	83.2	76.3	41.5
SBS XC 900	520	499	479	460	413	289	223	181	153	133	118	106	96.0	88.0	47.9
SBS XC 970	634	599	568	540	470	315	239	192	162	140	124	112	102	93.3	48.9
SBS XC 1200	824	779	738	701	611	409	310	250	211	182	161	145	132	121	63.5
SBS XC 1500	1021	964	914	868	756	506	384	310	261	226	200	180	164	150	78.7
SBS XC 1800	1223	1156	1096	1041	907	607	461	371	313	271	240	216	196	179	94.3

Constant Power Discharge Performance Data

Constant Power (Watts per cell) to 1.70Vpc at 20°C

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	203	182	165	151	121	69.3	49.3	38.7	32.0	27.3	24.0	21.5	19.5	17.9	9.43
SBS XC 92F-FT	203	182	165	151	121	69.3	49.3	38.7	32.0	27.3	24.0	21.5	19.5	17.9	9.43
SBS XC 150F-FT	321	292	269	248	202	118	85.3	67.3	55.8	47.8	41.9	37.4	33.7	30.7	16.5
SBS XC 190F-FT	411	372	340	314	254	148	106	83.3	68.7	58.6	51.2	45.5	40.9	37.2	19.7
SBS XC 320	459	437	417	399	350	233	172	137	114	97.8	85.9	76.6	69.1	63.0	33.9
SBS XC 400	573	546	521	499	438	291	216	171	142	122	107	95.7	86.4	78.7	42.3
SBS XC 580	831	792	756	724	635	422	313	248	206	177	156	139	125	114	61.4
SBS XC 680	975	928	886	848	744	495	366	291	242	208	183	163	147	134	72.0
SBS XC 780	1118	1065	1017	973	854	567	420	334	277	238	209	187	168	153	82.5
SBS XC 900	1290	1229	1173	1123	985	655	485	385	320	275	242	215	194	177	95.2
SBS XC 970	1523	1433	1353	1276	1086	693	504	402	336	289	255	228	207	190	99.4
SBS XC 1200	1978	1862	1758	1658	1410	901	655	522	436	376	331	297	269	246	129
SBS XC 1500	2449	2305	2177	2053	1746	1116	811	646	540	465	410	368	333	305	159
SBS XC 1800	2936	2763	2609	2461	2093	1338	973	775	647	558	492	441	399	366	191

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	198	178	162	148	119	68.8	49.1	38.6	31.9	27.3	24.0	21.5	19.5	17.9	9.41
SBS XC 92F-FT	198	178	162	148	119	68.8	49.1	38.6	31.9	27.3	24.0	21.5	19.5	17.9	9.41
SBS XC 150F-FT	316	288	265	245	200	117	84.7	66.8	55.3	47.4	41.6	37.1	33.5	30.5	16.4
SBS XC 190F-FT	398	362	332	307	250	148	106	83.3	68.7	58.6	51.2	45.5	40.9	37.2	19.7
SBS XC 320	428	409	392	375	331	225	170	137	114	97.8	85.9	76.6	69.1	63.0	33.9
SBS XC 400	535	511	490	469	414	282	213	171	142	122	107	95.7	86.4	78.7	42.3
SBS XC 580	775	741	710	679	601	408	309	248	206	177	156	139	125	114	61.4
SBS XC 680	909	869	833	797	704	479	362	291	242	208	183	163	147	134	72.0
SBS XC 780	1043	997	955	914	808	549	415	334	277	238	209	187	168	153	82.5
SBS XC 900	1203	1150	1102	1054	932	634	479	385	320	275	242	215	194	177	95.2
SBS XC 970	1448	1367	1286	1212	1041	679	503	402	336	289	255	228	207	190	99.4
SBS XC 1200	1880	1776	1670	1574	1353	882	654	522	436	376	331	297	269	246	129
SBS XC 1500	2328	2199	2068	1949	1675	1092	810	646	540	465	410	368	333	305	159
SBS XC 1800	2791	2636	2478	2336	2007	1309	971	775	647	558	492	441	399	366	191

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	192	173	158	145	117	68.1	48.8	38.5	31.8	27.3	24.0	21.4	19.5	17.8	9.37
SBS XC 92F-FT	192	173	158	145	117	68.1	48.8	38.5	31.8	27.3	24.0	21.4	19.5	17.8	9.37
SBS XC 150F-FT	305	279	257	238	195	114	82.6	65.1	54.0	46.2	40.5	36.1	32.6	29.7	16.0
SBS XC 190F-FT	375	343	315	292	240	144	104	82.2	68.1	58.2	51.0	45.3	40.8	37.2	19.7
SBS XC 320	391	373	357	343	306	213	163	133	112	97.5	85.9	76.6	69.1	63.0	33.9
SBS XC 400	488	466	447	429	383	266	204	166	140	122	107	95.7	86.4	78.7	42.3
SBS XC 580	708	676	648	622	555	386	296	241	203	177	156	139	125	114	61.4
SBS XC 680	830	792	760	729	651	453	347	283	239	207	183	163	147	134	72.0
SBS XC 780	952	909	871	836	746	519	398	324	274	238	209	187	168	153	82.5
SBS XC 900	1098	1049	1005	965	861	599	460	374	316	274	242	215	194	177	95.2
SBS XC 970	1338	1257	1187	1124	979	652	486	394	332	287	255	228	207	190	99.4
SBS XC 1200	1738	1633	1541	1460	1273	847	632	511	431	374	331	297	269	246	129
SBS XC 1500	2152	2022	1908	1808	1576	1049	782	633	534	463	410	368	333	305	159
SBS XC 1800	2579	2424	2287	2167	1889	1258	938	759	640	555	491	441	399	366	191

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

	Standby Time (Minutes)				Standby Time (Hours)										
Battery Type	30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
SBS XC 92F	183	164	150	138	113	66.8	48.4	38.0	31.6	27.1	23.9	21.4	19.4	17.8	9.26
SBS XC 92F-FT	183	164	150	138	113	66.8	48.4	38.0	31.6	27.1	23.9	21.4	19.4	17.8	9.26
SBS XC 150F-FT	287	263	243	224	185	108	78.3	61.6	51.1	43.8	38.4	34.3	31.0	28.2	15.2
SBS XC 190F-FT	337	309	286	265	221	134	97.9	77.6	64.3	55.1	48.3	43.0	38.8	35.3	18.8
SBS XC 320	342	329	316	305	274	196	152	125	106	92.4	82.0	73.8	67.0	61.5	33.9
SBS XC 400	428	411	395	381	343	245	190	156	132	115	103	92.2	83.8	76.8	42.3
SBS XC 580	620	596	573	552	497	355	275	226	192	167	149	134	122	111	61.4
SBS XC 680	727	699	672	647	583	416	323	265	225	196	174	157	142	131	72.0
SBS XC 780	834	801	771	743	669	477	370	304	258	225	200	180	163	150	82.5
SBS XC 900	963	925	889	857	772	550	427	351	298	260	231	208	189	173	95.2
SBS XC 970	1185	1123	1067	1017	894	607	462	375	316	275	244	219	200	183	97.4
SBS XC 1200	1539	1458	1386	1322	1162	789	601	488	411	357	317	285	260	238	126
SBS XC 1500	1906	1806	1716	1636	1438	977	744	604	509	442	392	353	321	295	156
SBS XC 1800	2284	2164	2058	1962	1724	1171	892	724	610	530	471	423	385	354	187

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