

EnerSys®

Power/Full Solutions



PowerSafe®
SBSXL

12V FRONT TERMINAL SERIES

Performance Data

Constant Current Discharge Performance Data



Discharge Currents (Amperes) at 20°C

End Voltage (Vpc)	Battery Type	Standby Time (Minutes)				Standby Time (Hours)										
		30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
1.75	SBS XL 85F	90.4	81.1	73.7	67.6	54.6	31.7	22.8	18.0	14.9	12.8	11.2	10.0	9.08	8.30	4.39
	SBS XL 85F-FT	90.4	81.1	73.7	67.6	54.6	31.7	22.8	18.0	14.9	12.8	11.2	10.0	9.08	8.30	4.39
	SBS XL 155F-FT	179	161	146	134	108	62.4	44.5	34.8	28.7	24.4	21.3	18.9	17.0	15.5	8.17
	SBS XL 180F-FT	201	181	165	151	123	71.4	51.2	40.1	33.1	28.3	24.7	21.9	19.7	18.0	9.52
1.80	SBS XL 85F	87.7	78.7	71.6	65.8	53.3	31.3	22.6	17.9	14.9	12.8	11.2	10.0	9.08	8.30	4.39
	SBS XL 85F-FT	87.7	78.7	71.6	65.8	53.3	31.3	22.6	17.9	14.9	12.8	11.2	10.0	9.08	8.30	4.39
	SBS XL 155F-FT	172	155	141	130	105	61.6	44.2	34.7	28.7	24.4	21.3	18.9	17.0	15.5	8.17
	SBS XL 180F-FT	194	175	159	147	119	70.6	50.9	40.1	33.1	28.3	24.7	21.9	19.7	18.0	9.52
1.85	SBS XL 85F	83.2	75.0	68.4	62.9	51.1	30.1	21.8	17.2	14.3	12.3	10.8	9.67	8.74	7.98	4.23
	SBS XL 85F-FT	83.2	75.0	68.4	62.9	51.1	30.1	21.8	17.2	14.3	12.3	10.8	9.67	8.74	7.98	4.23
	SBS XL 155F-FT	159	144	132	121	99.2	58.6	42.2	33.2	27.5	23.5	20.5	18.2	16.4	14.9	7.94
	SBS XL 180F-FT	180	163	149	138	112	66.9	48.5	38.3	31.8	27.2	23.8	21.2	19.1	17.4	9.28

Discharge Currents (Amperes) at 35°C

End Voltage (Vpc)	Battery Type	Standby Time (Minutes)				Standby Time (Hours)										
		30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
1.75	SBS XL 85F	97.7	87.5	79.2	72.5	58.3	33.4	23.9	18.7	15.5	13.3	11.7	10.4	9.43	8.58	4.55
	SBS XL 85F-FT	97.7	87.5	79.2	72.5	58.3	33.4	23.9	18.7	15.5	13.3	11.7	10.4	9.43	8.58	4.55
	SBS XL 155F-FT	193	173	157	144	116	66.0	46.7	36.3	29.9	25.5	22.2	19.8	17.7	16.0	8.48
	SBS XL 180F-FT	217	195	177	162	131	75.4	53.7	41.8	34.6	29.5	25.8	22.9	20.5	18.6	9.87
1.80	SBS XL 85F	94.7	84.8	76.9	70.4	56.8	33.0	23.7	18.6	15.5	13.3	11.7	10.4	9.43	8.58	4.55
	SBS XL 85F-FT	94.7	84.8	76.9	70.4	56.8	33.0	23.7	18.6	15.5	13.3	11.7	10.4	9.43	8.58	4.55
	SBS XL 155F-FT	185	166	151	139	112	65.0	46.4	36.2	29.9	25.5	22.2	19.8	17.7	16.0	8.48
	SBS XL 180F-FT	209	188	171	157	127	74.4	53.4	41.8	34.6	29.5	25.8	22.9	20.5	18.6	9.87
1.85	SBS XL 85F	89.7	80.6	73.4	67.3	54.5	31.8	22.8	17.9	14.9	12.8	11.2	10.0	9.08	8.26	4.38
	SBS XL 85F-FT	89.7	80.6	73.4	67.3	54.5	31.8	22.8	17.9	14.9	12.8	11.2	10.0	9.08	8.26	4.38
	SBS XL 155F-FT	171	154	141	130	105	61.8	44.3	34.6	28.6	24.5	21.4	19.0	17.1	15.5	8.24
	SBS XL 180F-FT	193	174	159	147	120	70.5	50.8	39.9	33.1	28.4	24.8	22.1	19.9	18.0	9.62

Constant Power Discharge Performance Data



Constant Power (Watts per cell) at 20°C

End Voltage (Vpc)	Battery Type	Standby Time (Minutes)				Standby Time (Hours)										
		30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
1.75	SBS XL 85F	170	154	140	129	105	61.8	44.7	35.4	29.4	25.2	22.1	19.8	17.9	16.3	8.75
	SBS XL 85F-FT	170	154	140	129	105	61.8	44.7	35.4	29.4	25.2	22.1	19.8	17.9	16.3	8.75
	SBS XL 155F-FT	335	303	277	255	207	121	87.1	68.5	56.6	48.3	42.2	37.5	33.8	30.7	16.3
	SBS XL 180F-FT	374	339	310	286	233	138	99.6	78.7	65.1	55.7	48.7	43.4	39.1	35.6	18.9
1.80	SBS XL 85F	167	151	138	127	103	61.3	44.4	35.2	29.3	25.1	22.1	19.8	17.9	16.3	8.75
	SBS XL 85F-FT	167	151	138	127	103	61.3	44.4	35.2	29.3	25.1	22.1	19.8	17.9	16.3	8.75
	SBS XL 155F-FT	325	295	270	249	202	119	86.5	68.3	56.6	48.3	42.2	37.5	33.8	30.7	16.3
	SBS XL 180F-FT	365	332	304	281	229	136	99.2	78.6	65.1	55.7	48.7	43.4	39.1	35.6	18.9
1.85	SBS XL 85F	160	145	133	123	99.9	59.4	43.1	34.2	28.4	24.4	21.5	19.2	17.3	15.8	8.45
	SBS XL 85F-FT	160	145	133	123	99.9	59.4	43.1	34.2	28.4	24.4	21.5	19.2	17.3	15.8	8.45
	SBS XL 155F-FT	306	278	255	236	192	114	83.2	65.8	54.5	46.6	40.8	36.3	32.7	29.8	15.9
	SBS XL 180F-FT	344	313	287	266	218	130	95.1	75.6	62.7	53.8	47.3	42.0	37.9	34.6	18.5

Constant Power (Watts per cell) at 35°C

End Voltage (Vpc)	Battery Type	Standby Time (Minutes)				Standby Time (Hours)										
		30	35	40	45	1	2	3	4	5	6	7	8	9	10	20
1.75	SBS XL 85F	184	165	150	138	112	65.3	46.8	36.8	30.6	26.2	23.1	20.6	18.6	16.9	9.07
	SBS XL 85F-FT	184	165	150	138	112	65.3	46.8	36.8	30.6	26.2	23.1	20.6	18.6	16.9	9.07
	SBS XL 155F-FT	361	325	296	273	221	128	91.4	71.4	59.0	50.4	44.0	39.2	35.1	31.8	16.9
	SBS XL 180F-FT	402	363	332	306	248	145	104	81.9	67.9	58.1	50.8	45.3	40.6	36.9	19.6
1.80	SBS XL 85F	180	162	148	136	110	64.7	46.6	36.7	30.5	26.2	23.0	20.6	18.6	16.9	9.07
	SBS XL 85F-FT	180	162	148	136	110	64.7	46.6	36.7	30.5	26.2	23.0	20.6	18.6	16.9	9.07
	SBS XL 155F-FT	349	315	289	266	215	126	90.7	71.1	59.0	50.4	44.0	39.2	35.1	31.8	16.9
	SBS XL 180F-FT	391	355	325	299	243	144	104	81.8	67.9	58.1	50.8	45.3	40.6	36.9	19.6
1.85	SBS XL 85F	172	156	142	131	106	62.7	45.2	35.6	29.6	25.4	22.4	20.0	18.0	16.4	8.77
	SBS XL 85F-FT	172	156	142	131	106	62.7	45.2	35.6	29.6	25.4	22.4	20.0	18.0	16.4	8.77
	SBS XL 155F-FT	328	298	273	251	204	121	87.2	68.5	56.8	48.6	42.6	37.9	34.0	30.9	16.5
	SBS XL 180F-FT	367	334	307	283	231	137	99.7	78.7	65.4	56.1	49.2	43.9	39.4	35.8	19.2



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