



PowerSafe®
SBS Front and Top Terminal

Telecommunications

NEBS™ Compliant*

Battery Performance Specifications



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*NEBS™ Compliant GR63-Core
Includes the following: SBS B8, SBS B10, SBS B14, SBS C11,
SBS 145, SBS 165, SBS 170, SBS 190, SBS 100, SBS 100F
and SBS 112F

Publication No: US-SBS-PS-005 - March 2015

Constant Current Discharge Performance Data

Discharge Currents (Amperes) to 1.75Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	18.0	10.4	7.5	5.8	3.2	2.2	1.7	1.4	1.2	1.1	0.9	0.8	0.4
SBS 15	32.8	19.5	14.1	11.2	6.2	4.4	3.4	2.8	2.4	2.0	1.8	1.5	0.8
SBS 30	61.1	36.1	26.1	20.6	11.4	8.0	6.2	5.1	4.3	3.8	3.3	2.8	1.5
SBS 40	83.4	50.7	37.0	29.3	16.3	11.4	8.9	7.3	6.2	5.4	4.7	3.9	2.1
SBS 60	109	66.7	48.9	39.0	22.0	15.5	12.1	9.9	8.4	7.3	6.5	5.3	2.8
SBS 110	209	135	101	81.9	47.6	34.0	26.7	22.0	18.8	16.4	14.6	12.0	6.5
SBS 130	246	156	117	94.2	54.7	39.2	30.7	25.3	21.6	18.9	16.7	13.7	7.4
SBS 300	603	385	284	227	129	90.7	71.0	58.6	50.0	43.7	39.0	32.2	17.7
SBS 390	647	427	323	262	152	109	84.9	69.8	59.2	51.5	45.7	37.0	19.9
SBS J13	27.5	16.5	11.9	9.4	5.2	3.7	2.9	2.3	2.0	1.7	1.5	1.2	0.6
SBS J16	34.5	20.9	15.2	12.0	6.8	4.8	3.7	3.0	2.6	2.2	2.0	1.6	0.8
SBS J30	63.3	37.9	27.3	21.5	11.8	8.2	6.3	5.2	4.4	3.8	3.4	2.7	1.5
SBS J40	89.3	54.4	39.6	31.3	17.4	12.2	9.4	7.7	6.5	5.7	5.0	4.1	2.2
SBS J70	151	91.6	66.3	52.2	28.6	19.8	15.2	12.4	10.4	9.0	7.9	6.4	3.4
SBS B8(F)*	68.8	40.2	29.2	23.1	13.1	9.2	7.2	5.9	5.0	4.4	3.9	3.2	1.7
SBS B10(F)*	79.8	47.6	34.5	27.2	15.3	10.9	8.5	7.1	6.1	5.4	4.8	4.0	2.2
SBS B14(F)*	133	83.7	61.6	49.0	27.4	19.2	14.8	12.1	10.2	8.9	7.8	6.4	3.4
SBS C11(F)*	173	109	80.9	64.7	37.0	26.3	20.5	17.0	14.5	12.8	11.4	9.5	5.3
SBS 100(F)*	196	126	94.2	75.4	43.1	30.5	23.7	19.4	16.5	14.4	12.8	10.5	5.8
SBS 112F*	196	128	97.2	78.9	46.1	33.0	25.8	21.3	18.1	15.8	14.0	11.4	5.9
SBS 145(F)*	262	165	122	98.1	56.4	40.1	32.0	26.7	23.1	20.3	18.2	15.0	7.7
SBS 165F*	303	195	146	120	68.5	48.5	37.8	31.0	26.9	23.5	20.8	17.0	9.2
SBS 170F*	306	203	153	123	71.7	51.2	40.0	32.9	28.0	24.4	21.6	17.7	9.5
SBS 190F*	345	226	171	138	80.3	57.2	44.6	36.7	31.3	27.3	24.2	19.8	10.7

Discharge Currents (Amperes) to 1.80Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	17.5	10.2	7.3	5.7	3.2	2.2	1.7	1.4	1.2	1.0	0.9	0.8	0.4
SBS 15	32	19.2	13.9	11	6.1	4.3	3.4	2.7	2.3	2	1.8	1.4	0.8
SBS 30	59.4	35.5	25.7	20.3	11.2	7.9	6.1	5.0	4.3	3.7	3.3	2.7	1.5
SBS 40	80.8	49.7	36.3	28.8	16.1	11.3	8.7	7.2	6.1	5.3	4.7	3.8	2.1
SBS 60	105	65.2	48.0	38.3	21.7	15.3	11.9	9.8	8.3	7.2	6.4	5.2	2.8
SBS 110	199	131	98.7	79.9	46.7	33.5	26.3	21.7	18.5	16.2	14.4	11.8	6.4
SBS 130	234	151	113	91.6	53.6	38.5	30.2	25.0	21.3	18.6	16.5	13.5	7.3
SBS 300	562	363	268	216	123	87.3	68.6	56.9	48.8	42.8	38.3	31.8	17.7
SBS 390	616	413	314	255	149	107	83.6	68.7	58.4	50.8	45.1	36.6	19.7
SBS J13	26.6	16.1	11.7	9.3	5.2	3.6	2.8	2.3	1.9	1.7	1.5	1.2	0.6
SBS J16	33.2	20.3	14.8	11.8	6.6	4.7	3.6	3.0	2.5	2.2	1.9	1.6	0.8
SBS J30	61	36.9	26.7	21.1	11.6	8.1	6.3	5.1	4.3	3.8	3.3	2.7	1.4
SBS J40	85.4	52.7	38.6	30.7	17.1	12	9.3	7.6	6.4	5.6	4.9	4.0	2.1
SBS J70	143	88.2	64.3	50.9	28.1	19.5	15	12.2	10.3	8.9	7.8	6.3	3.3
SBS B8(F)*	67.7	39.5	28.5	22.6	12.9	9.1	7.1	5.9	5.0	4.3	3.8	3.1	1.7
SBS B10(F)*	77.4	47.0	34.0	26.8	15.2	10.7	8.4	7.0	6.0	5.3	4.8	4.0	2.2
SBS B14(F)*	126	80.5	59.8	47.9	27.1	19.0	14.7	12.0	10.1	8.8	7.8	6.3	3.3
SBS C11(F)*	163	105	78.5	63.1	36.5	26.0	20.4	16.9	14.4	12.7	11.4	9.4	5.3
SBS 100(F)*	181	119	89.9	72.5	41.9	29.9	23.2	19.1	16.2	14.1	12.6	10.4	5.7
SBS 112F*	182	122	93.1	76.1	45.0	32.3	25.4	20.9	17.8	15.5	13.8	11.2	5.8
SBS 145(F)*	245	158	118	95.5	55.1	39.4	31.4	26.2	22.6	19.9	17.8	14.6	7.5
SBS 165F*	283	186	141	116	67.1	47.6	37.1	30.5	26.5	23.1	20.5	16.8	9.0
SBS 170F*	284	193	147	119	70.0	50.2	39.2	32.3	27.5	23.9	21.2	17.4	9.4
SBS 190F*	322	216	165	134	78.6	56.2	43.9	36.1	30.7	26.8	23.8	19.5	10.6

*NEBS™ Compliant GR63-Core

Includes the following: SBS B8, SBS B10, SBS B14, SBS C11, SBS 145, SBS 165, SBS 170, SBS 190, SBS 100, SBS 100F and SBS 112F

Discharge Currents (Amperes) to 1.85Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	16.8	9.9	7.2	5.6	3.1	2.1	1.7	1.4	1.2	1.0	0.9	0.7	0.4
SBS 15	30.8	18.7	13.6	10.7	6.0	4.2	3.3	2.7	2.3	2.0	1.7	1.4	0.7
SBS 30	57.1	34.5	25.0	19.8	10.9	7.7	5.9	4.9	4.1	3.6	3.2	2.6	1.4
SBS 40	76.9	48.0	35.2	28.1	15.6	11.0	8.5	7.0	5.9	5.1	4.5	3.7	2.0
SBS 60	98.6	62.4	46.3	36.9	21.1	14.9	11.6	9.5	8.1	7.0	6.2	5.1	2.7
SBS 110	186	125	94.7	76.9	45.4	32.5	25.5	21.2	18.1	15.8	14.0	11.5	6.3
SBS 130	220	144	108	87.7	51.7	37.4	29.3	24.2	20.7	18.1	16.1	13.2	7.1
SBS 300	513	325	243	196	114	81.5	64.7	53.9	46.4	40.9	36.8	30.8	17.5
SBS 390	574	394	300	244	145	104	80.9	67.0	57.0	49.5	44.0	35.8	19.5
SBS J13	25.2	15.5	11.4	9.0	5.0	3.5	2.7	2.2	1.9	1.6	1.5	1.2	0.6
SBS J16	31.4	19.6	14.3	11.4	6.4	4.5	3.5	2.9	2.4	2.1	1.9	1.5	0.8
SBS J30	57.6	35.6	25.9	20.4	11.3	7.9	6.1	5.0	4.2	3.6	3.2	2.6	1.4
SBS J40	80.1	50.4	37.3	29.5	16.6	11.7	9.0	7.4	6.2	5.4	4.8	3.9	2.1
SBS J70	133	83.5	61.4	48.9	27.3	19.0	14.6	11.9	10.0	8.6	7.6	6.2	3.2
SBS B8(F)*	66.8	38.8	28.0	22.0	12.5	8.9	7.0	5.8	4.9	4.3	3.8	3.1	1.6
SBS B10(F)*	73.7	45.9	33.1	26.1	14.7	10.4	8.2	6.8	5.8	5.2	4.7	3.9	2.2
SBS B14(F)*	118	76.9	57.2	46.2	26.4	18.7	14.6	11.9	10.1	8.7	7.7	6.3	3.3
SBS C11(F)*	152	99.4	74.8	60.5	35.5	25.7	20.2	16.7	14.3	12.6	11.2	9.3	5.2
SBS100(F)*	164	111	84.0	67.9	40.2	28.8	22.6	18.6	15.8	13.8	12.2	10.1	5.6
SBS112F*	165	113	87.4	71.6	43.2	31.2	24.5	20.2	17.2	15.0	13.3	10.8	5.6
SBS145(F)*	224	148	112	91.3	52.9	38.3	30.5	25.4	21.9	19.3	17.2	14.1	7.3
SBS165F*	261	176	135	112	65.3	46.6	36.4	29.9	26.0	22.7	20.1	16.5	8.
SBS170F*	259	180	138	113	66.8	48.1	37.8	31.1	26.4	23.0	20.4	16.8	9.0
SBS190F*	295	202	156	127	75.7	54.3	42.5	34.9	29.8	26.0	23.1	19.0	10.3

Constant Current Discharge Performance Data

Discharge Currents (Watts) to 1.75Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	34	20	14	11	6.2	4.3	3.4	2.8	2.3	2.0	1.8	1.5	0.8
SBS 15	62	37	27	21	12	8.5	6.6	5.4	4.6	4.0	3.5	2.9	1.5
SBS 30	116	69	50	40	22	16	12	10	8.4	7.3	6.5	5.3	2.9
SBS 40	157	96	71	56	32	22	17	14	12	10	9.2	7.5	4.1
SBS 60	203	126	93	74	42	30	23	19	16	14	13	10	5.5
SBS 110	385	253	191	155	91	65	51	42	36	32	28	23	13
SBS 130	456	293	221	179	105	75	59	49	42	36	32	27	14
SBS 300	1109	719	534	430	247	174	136	113	97	84	75	62	34
SBS 390	1185	797	608	495	290	208	163	134	114	99	88	72	39
SBS J13	52	31	23	18	10	7.1	5.5	4.5	3.8	3.3	2.9	2.4	1.3
SBS J16	65	40	29	23	13	9.2	7.2	5.9	5.0	4.3	3.8	3.1	1.6
SBS J30	119	72	52	41	23	16	12	10	8.5	7.4	6.5	5.3	2.8
SBS J40	166	103	76	60	34	24	18	15	13	11	10	7.9	4.2
SBS J70	281	173	126	100	55	38	29	24	20	18	15	13	6.5
SBS B8(F)*	132	77	56	44	25	18	14	11	10	8.5	7.5	6.2	3.3
SBS B10(F)*	150	91	66	52	30	21	16	14	12	10	9.2	7.7	4.3
SBS B14(F)*	246	157	117	93	53	37	29	24	20	17	15	12	6.6
SBS C11(F)*	318	205	153	123	71	51	40	33	28	25	22	18	10
SBS 100(F)*	358	235	177	143	82	59	46	37	32	28	25	20	11
SBS 112F*	359	239	183	149	88	64	50	41	35	31	27	22	12
SBS 145(F)*	483	309	231	186	108	77	61	51	44	39	35	29	15
SBS 165F*	569	374	283	234	136	97	76	62	54	47	42	34	18
SBS 170F*	558	381	290	236	139	100	78	64	55	48	42	35	19
SBS 190F*	627	420	320	261	154	110	86	71	60	53	47	38	21

*NEBS™ Compliant GR63-Core

Includes the following: SBS B8, SBS B10, SBS B14, SBS C11, SBS 145, SBS 165, SBS 170, SBS 190, SBS 100, SBS 100F and SBS 112F

Discharge Currents (Watts) to 1.80Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	34	20	14	11	6.2	4.3	3.3	2.7	2.3	2.0	1.8	1.5	0.8
SBS 15	61	37	27	21	12	8.4	6.5	5.3	4.5	3.9	3.5	2.8	1.5
SBS 30	113	68	50	39	22	15	12	9.8	8.3	7.2	6.4	5.3	2.9
SBS 40	153	95	70	56	31	22	17	14	12	10	9.1	7.5	4.1
SBS 60	198	124	92	74	42	30	23	19	16	14	12	10	5.5
SBS 110	371	247	188	153	90	65	51	42	36	31	28	23	12
SBS 130	439	286	216	175	103	74	58	48	41	36	32	26	14
SBS 300	1047	688	510	411	238	168	133	110	95	83	74	62	34
SBS 390	1144	779	596	486	286	206	161	133	113	98	87	71	38
SBS J13	50	31	23	18	10	7.1	5.5	4.5	3.8	3.3	2.9	2.4	1.2
SBS J16	63	39	29	23	13	9.1	7.0	5.8	4.9	4.3	3.8	3.1	1.6
SBS J30	115	71	52	41	23	16	12	9.9	8.4	7.3	6.5	5.3	2.8
SBS J40	161	101	74	59	33	23	18	15	13	11	9.6	7.8	4.1
SBS J70	269	168	123	98	55	38	29	24	20	17	15	12	6.5
SBS B8(F)*	131	76	55	44	25	18	14	11	9.7	8.5	7.5	6.1	3.3
SBS B10(F)*	147	90	65	52	29	21	16	14	12	10	9.2	7.7	4.3
SBS B14(F)*	236	153	114	92	53	37	29	24	20	17	15	12	6.6
SBS C11(F)*	305	199	150	121	71	50	40	33	28	25	22	18	10
SBS 100(F)*	337	224	171	138	81	58	45	37	31	27	24	20	11
SBS 112F*	338	229	177	145	86	63	49	41	35	30	27	22	11
SBS 145(F)*	457	300	225	182	107	76	60	50	44	38	34	28	15
SBS 165F*	537	361	275	228	133	95	74	61	53	46	41	34	18
SBS 170F*	528	367	282	230	136	98	77	64	54	47	42	34	19
SBS 190F*	597	406	312	255	151	108	85	70	59	52	46	38	21

Discharge Currents (Watts) to 1.85Vpc at 77°F (25°C)

PowerSafe® SBS Battery	Standby Time (Minutes)			Standby Time (Hours)									
	15	30	45	1	2	3	4	5	6	7	8	10	20
SBS 8*	32	19	14	11	6.0	4.2	3.3	2.7	2.3	2.0	1.8	1.5	0.8
SBS 15	59	36	26	21	12	8.2	6.4	5.2	4.4	3.9	3.4	2.8	1.5
SBS 30	110	67	49	39	21	15	12	9.6	8.1	7.1	6.3	5.2	2.8
SBS 40	148	93	68	55	31	21	17	14	12	10	8.9	7.3	4
SBS 60	188	120	89	71	41	29	23	19	16	14	12	10	5.3
SBS 110	353	239	183	149	88	63	50	41	35	31	27	23	12
SBS 130	418	275	208	170	100	73	57	47	40	35	31	26	14
SBS 300	976	625	468	379	221	159	126	105	90	80	72	60	34
SBS 390	1085	749	575	474	279	200	157	130	112	96	85	70	38
SBS J13	48	30	22	18	9.9	6.9	5.4	4.4	3.7	3.2	2.9	2.3	1.2
SBS J16	60	38	28	22	12	8.7	6.8	5.6	4.7	4.1	3.6	3.0	1.6
SBS J30	110	69	50	40	22	15	12	9.8	8.3	7.1	6.3	5.1	2.7
SBS J40	153	97	72	57	32	23	18	14	12	11	9.4	7.6	4.0
SBS J70	253	161	119	95	53	37	29	23	20	17	15	12	6.3
SBS B8(F)*	129	76	54	43	24	17	14	11	9.6	8.4	7.4	6.1	3.2
SBS B10(F)*	141	89	64	51	29	20	16	13	11	10	9	7.6	4.2
SBS B14(F)*	223	147	111	89	51	36	28	23	20	17	15	12	6.6
SBS C11(F)*	288	190	144	117	69	50	39	33	28	25	22	18	10
SBS 100(F)*	311	210	161	131	78	56	44	36	31	27	24	20	11
SBS 112F*	312	215	167	138	84	61	48	40	34	29	26	21	11
SBS 145(F)*	425	283	216	176	103	74	59	49	43	37	33	27	14
SBS 165F*	501	344	265	222	130	93	73	60	52	46	41	33	18
SBS 170F*	491	346	268	220	131	95	75	62	52	46	40	33	18
SBS 190F*	556	385	299	246	147	106	83	68	58	51	45	37	20

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Includes the following: SBS B8, SBS B10, SBS B14, SBS C11, SBS 145, SBS 165, SBS 170, SBS 190, SBS 100, SBS 100F and SBS 112F



www.enersys.com

EnerSys World Headquarters 2366 Bernville Road, Reading, PA 19605, USA Tel: +1-610-208-1991 / +1-800-538-3627

EnerSys EMEA EH Europe GmbH, Löwenstrasse 32, 8001 Zurich, Switzerland Tel: +41 44 215 7410

EnerSys Asia 152 Beach Road, Gateway East Building #11-03, Singapore 189721 Tel: +65 6508 1780

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