



STRYTEN ENERGY

E-SERIES

Absolyte® AGP >>>



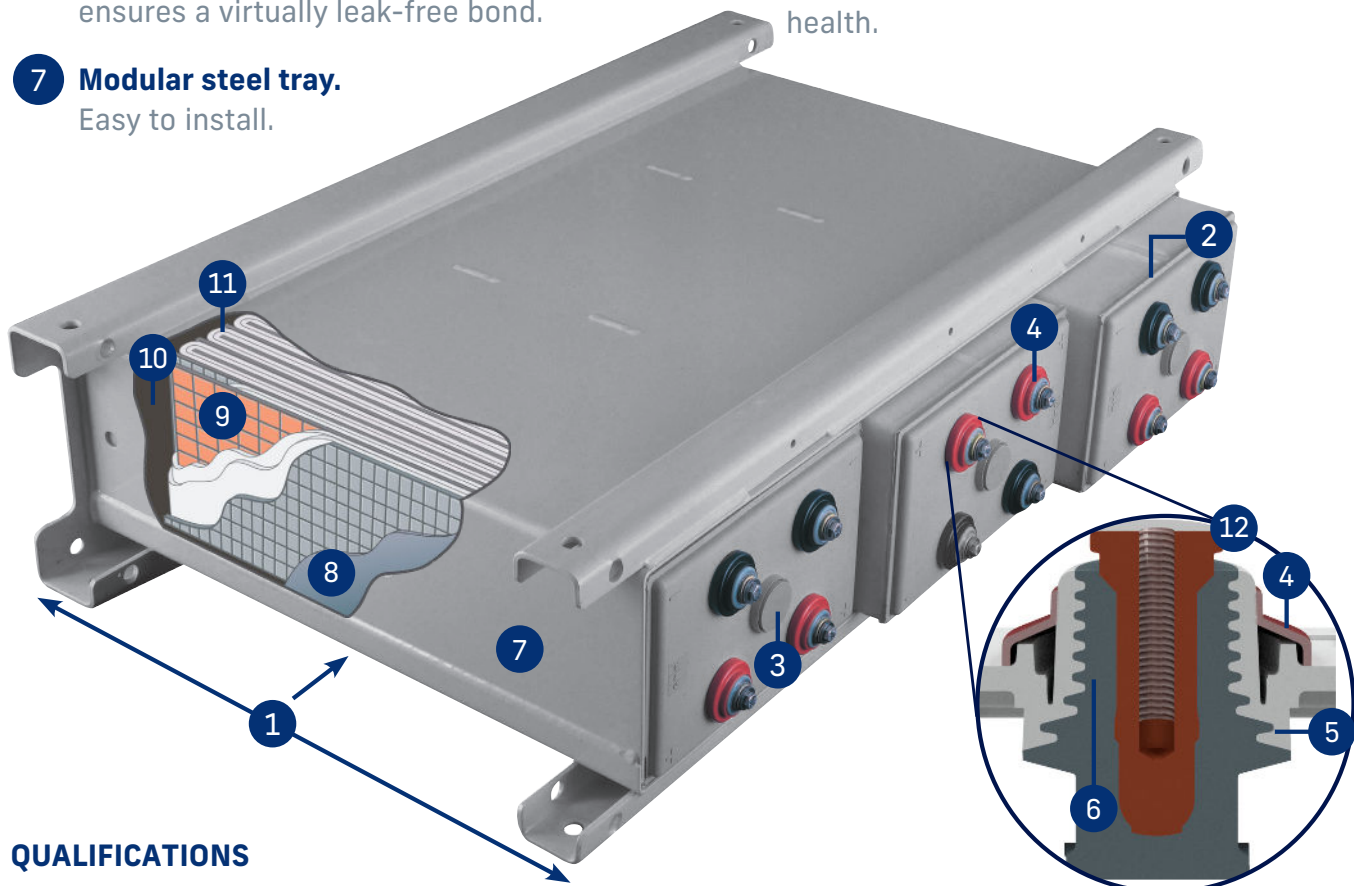
CONSTANT CURRENT SPECIFICATIONS

104 AH TO 4800 AH
12 HOURS TO 120 HOURS

THE ENERGY TO CHALLENGE

Designed For High Performance and Sustainability

- 1 **High capacity in a small footprint.** Frees up valuable floor space for other equipment.
- 2 **Jar to cover heat seal.** Jar and cover are heat sealed and bead smoothed for a more reliable seal.
- 3 **Safety vent.** 3.5 - 9 psi opening pressure. Self-resealing.
- 4 **Color-coded terminal polarity.** Provides easy terminal identification.
- 5 **Heat sealed post seal.** Non-corrosive polypropylene-to-polypropylene bond is as strong as the original material.
- 6 **Interface between lead post and plastic sleeve.** Coated with a viscous agent which ensures a virtually leak-free bond.
- 7 **Modular steel tray.** Easy to install.
- 8 **Container and Cover** - UL94 V-0/28% L.O.I. polypropylene is standard; non-flame retardant is optional.
- 9 **Environmentally friendly Lead-Calcium-Tin positive plate grid alloy** - Ideal for both float and cycling applications.
- 10 **Space for positive plate growth.** Space is provided so growth can occur away from post and cover seals to increase battery life.
- 11 **High separator compression.** Reduces possibility of loss of capacity and degradation of the plate-to-separator contact.
- 12 **Post Access optimized** for ease of maintenance and assessment of battery health.



QUALIFICATIONS

- 20 year design life in float applications and 1200 cycles to 80% DOD in cycle applications @ 25°C when operated per the I&O Manual.
- Absolyte AGP is seismic qualified to 1997 UBC, 2005 IEEE 693, and 2018 IBC/2016 CBC.
- (See page 18 for applicable configurations.)
- UL Recognized Component, ISO 9001:2015, Designed to meet Telcordia GR-4228.
- NEBS Level 3 Certified in certain configurations.

Module Weights and Dimensions

MODULE TYPE	VOLTS	NOM AH CAP (8 HR)	STACKING DIMENSIONS						UNPACKED WEIGHT		DOMESTIC PACKED WEIGHT		EXPORT PACKED WEIGHT	
			LENGTH		HEIGHT		DEPTH*							
			IN	MM	IN	MM	IN	MM	LBS	KG	LBS	KG	LBS	KG
50G														
6-50G05	12	104	17.19	437	8.53	217	16.22	412	157	71	176	80	228	104
6-50G07	12	152	21.69	551	8.53	217	16.22	412	209	95	228	104	280	127
6-50G09	12	208	26.19	665	8.53	217	16.22	412	252	114	271	123	323	147
6-50G13	12	312	35.19	894	8.53	217	16.22	412	356	162	381	173	433	197
90G														
6-90G07	12	256	21.69	551	8.53	217	23.56	599	316	143	335	152	413	187
6-90G09	12	344	26.19	665	8.53	217	23.56	599	396	180	415	188	493	224
6-90G11	12	432	30.69	780	8.53	217	23.56	599	477	216	502	228	581	264
6-90G13	12	520	35.19	894	8.53	217	23.56	599	557	253	582	264	661	300
6-90G15	12	608	39.69	1008	8.59	218	23.56	599	637	289	668	303	747	339
100G														
3-100G13	6	600	19.93	506	8.53	217	26.38	670	328	149	356	162	436	198
3-100G15	6	696	22.18	563	8.59	218	26.38	670	374	170	408	185	489	222
3-100G17	6	800	24.50	622	8.59	218	26.38	670	424	192	446	202	528	240
3-100G19	6	896	26.75	679	8.59	218	26.38	670	470	213	491	223	574	260
3-100G21	6	1000	29.00	737	8.59	218	26.38	670	515	234	539	245	623	283
3-100G23	6	1096	31.25	794	8.59	218	26.38	670	561	255	589	267	674	306
3-100G25	6	1200	33.50	851	8.59	218	26.38	670	608	276	637	289	723	328
3-100G27	6	1296	35.75	908	8.59	218	26.38	670	653	296	684	310	772	350
3-100G29	6	1400	38.00	965	8.59	218	26.38	670	704	319	736	334	824	374
3-100G31	6	1496	40.25	1022	8.59	218	26.38	670	750	340	783	355	873	396
3-100G33	6	1600	42.50	1080	8.59	218	26.38	670	795	361	829	376	920	417
1-100G39	2	1800	19.93	506	8.53	217	26.38	670	328	149	356	162	436	198
1-100G45	2	2088	22.18	563	8.59	218	26.38	670	374	170	408	185	489	222
1-100G51	2	2400	24.50	622	8.59	218	26.38	670	424	192	446	202	528	240
1-100G57	2	2688	26.75	679	8.59	218	26.38	670	470	213	491	223	574	260
1-100G63	2	3000	29.00	737	8.59	218	26.38	670	515	234	539	245	623	283
1-100G69	2	3288	31.25	794	8.59	218	26.38	670	561	255	589	267	674	306
1-100G75	2	3600	33.50	851	8.59	218	26.38	670	608	276	637	289	723	328
1-100G81	2	3888	35.75	908	8.59	218	26.38	670	653	296	684	310	772	350
1-100G87	2	4200	38.00	965	8.59	218	26.38	670	704	319	736	334	824	374
1-100G93	2	4488	40.25	1022	8.59	218	26.38	670	750	340	783	355	873	396
1-100G99	2	4800	42.50	1080	8.59	218	26.38	670	795	361	829	376	920	417

* Includes 77 mm (3") additional for Module Cover Assembly

NOTE: Design and/or specifications subject to change without notice. If questions arise, contact your local Stryten Energy sales representative for clarification. Rates shown assume connectors that are properly sized.

Performance Specifications - Constant Current

Amperes to 1.75 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.8	3.6	5.1	6	7.3	9.3
50G07	1.8	2.1	2.9	4.2	5.5	7.7	9.1	11	14
50G09	2.4	2.9	3.9	5.6	7.3	10	12	14	18
50G13	3.7	4.3	5.9	8.5	11	15	18	22	28
90G									
90G07	3.0	3.6	4.9	7.0	9.1	12	15	18	23
90G09	4.0	4.8	6.5	9.4	12	17	20	24	31
90G11	5.0	6.0	8.1	11	15	21	25	30	39
90G13	6.1	7.2	9.8	14	18	25	30	36	47
90G15	7.1	8.4	11	16	21	30	35	42	55
100G									
100G13	6.7	7.9	10	15	20	29	34	42	54
100G15	7.8	9.2	12	18	23	33	40	49	63
100G17	8.9	10.6	14	20	26	38	45	56	72
100G19	10.0	11.9	16	23	30	43	51	63	81
100G21	11.2	13.2	17	25	33	48	57	70	90
100G23	12.3	14.5	19	28	36	53	63	77	99
100G25	13.4	15.9	21	31	40	58	68	84	108
100G27	14.5	17.2	23	33	43	62	74	91	117
100G29	15.7	18.5	25	36	46	67	80	98	127
100G31	16.8	19.9	26	38	50	72	85	105	136
100G33	17.9	21.2	28	41	53	77	91	112	145
100G39	20.1	23.7	30	45	60	87	102	126	162
100G45	23.4	27.6	36	54	69	99	120	147	189
100G51	26.7	31.8	42	60	78	114	135	168	216
100G57	30.0	35.7	48	69	90	129	153	189	243
100G63	33.6	39.6	51	75	99	144	171	210	270
100G69	36.9	43.5	57	84	108	159	189	231	297
100G75	40.2	47.7	63	93	120	174	204	252	324
100G81	43.5	51.6	69	99	129	186	222	273	351
100G87	47.1	55.5	75	108	138	201	240	294	381
100G93	50.4	59.7	78	114	150	216	255	315	408
100G99	53.7	63.6	84	123	159	231	273	336	435

Performance Specifications - Constant Current

Amperes to 1.78 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.8	3.6	5.1	6	7.3	9.2
50G07	1.8	2.1	2.9	4.2	5.4	7.7	9.0	10	13
50G09	2.4	2.9	3.9	5.6	7.2	10	12	14	18
50G13	3.6	4.3	5.8	8.4	10	15	18	21	27
90G									
90G07	3.0	3.6	4.8	7.0	9.0	12	15	18	23
90G09	4.0	4.8	6.5	9.3	12	17	20	24	31
90G11	5.0	6.0	8.1	11	15	21	25	30	39
90G13	6.0	7.2	9.7	14	18	25	30	36	47
90G15	7.0	8.4	11	16	21	30	35	42	55
100G									
100G13	6.6	7.9	10	15	19	28	34	41	54
100G15	7.8	9.2	12	17	23	33	39	48	63
100G17	8.9	10.5	14	20	26	38	45	55	72
100G19	10.0	11.8	16	23	29	43	51	62	81
100G21	11.1	13.2	17	25	33	48	56	69	90
100G23	12.2	14.5	19	28	36	52	62	76	99
100G25	13.3	15.8	21	30	39	57	68	83	108
100G27	14.5	17.1	23	33	43	62	73	90	117
100G29	15.6	18.4	24	35	46	67	79	97	126
100G31	16.7	19.8	26	38	49	72	85	104	135
100G33	17.8	21.1	28	41	53	76	90	111	144
100G39	19.8	23.7	30	45	57	84	102	123	162
100G45	23.4	27.6	36	51	69	99	117	144	189
100G51	26.7	31.5	42	60	78	114	135	165	216
100G57	30.0	35.4	48	69	87	129	153	186	243
100G63	33.3	39.6	51	75	99	144	168	207	270
100G69	36.6	43.5	57	84	108	156	186	228	297
100G75	39.9	47.7	63	90	117	171	204	249	324
100G81	43.5	51.3	69	99	129	186	219	270	351
100G87	46.8	55.2	72	105	138	201	237	291	378
100G93	50.1	59.4	78	114	147	216	255	312	405
100G99	53.4	63.3	84	123	159	228	270	333	432

Performance Specifications - Constant Current

Amperes to 1.80 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.8	3.6	5.1	6.0	7.2	9.2
50G07	1.8	2.1	2.9	4.2	5.4	7.7	9.0	10	13
50G09	2.4	2.8	3.9	5.6	7.2	10	12	14	18
50G13	3.6	4.3	5.8	8.4	10	15	18	21	27
90G									
90G07	3.0	3.5	4.8	6.9	9.0	12	14	18	23
90G09	4.0	4.7	6.4	9.3	12	17	19	24	31
90G11	5.0	5.9	8.0	11	15	21	24	30	39
90G13	6.0	7.1	9.7	13	18	25	29	36	46
90G15	7.0	8.3	11	16	21	29	34	42	54
100G									
100G13	6.6	7.8	10	15	19	28	33	41	53
100G15	7.7	9.1	12	17	23	33	39	48	62
100G17	8.8	10.4	14	20	26	38	45	55	71
100G19	9.9	11.8	15	22	29	42	50	62	80
100G21	11.1	13.1	17	25	32	47	56	69	89
100G23	12.2	14.4	19	28	36	52	62	76	98
100G25	13.3	15.7	21	30	39	57	67	83	107
100G27	14.4	17.0	22	33	42	61	73	90	116
100G29	15.5	18.3	24	35	46	66	78	97	125
100G31	16.6	19.6	26	38	49	71	84	103	134
100G33	17.7	20.9	28	40	52	76	90	110	143
100G39	19.8	23.4	30	45	57	84	99	123	159
100G45	23.1	27.3	36	51	69	99	117	144	186
100G51	26.4	31.2	42	60	78	114	135	165	213
100G57	29.7	35.4	45	66	87	126	150	186	240
100G63	33.3	39.3	51	75	96	141	168	228	267
100G69	36.6	43.2	57	84	108	156	186	228	294
100G75	39.9	47.1	63	90	117	171	201	249	321
100G81	43.2	51.0	66	99	126	183	219	270	348
100G87	46.5	54.9	72	105	138	198	234	291	375
100G93	49.8	58.8	78	114	147	213	252	309	402
100G99	53.1	62.7	84	120	156	228	270	330	429

Performance Specifications - Constant Current

Amperes to 1.81 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.7	3.5	5.1	6.0	7.2	9.1
50G07	1.8	2.1	2.9	4.1	5.3	7.6	9.0	10	13
50G09	2.4	2.8	3.8	5.5	7.1	10	12	14	18
50G13	3.6	4.3	5.8	8.3	10	15	18	21	27
90G									
90G07	3.0	3.5	4.8	6.9	8.9	12	14	18	23
90G09	4.0	4.7	6.4	9.2	11	16	19	24	31
90G11	5.0	5.9	8.0	11	14	21	24	30	38
90G13	6.0	7.1	9.6	13	17	25	29	36	46
90G15	7.0	8.3	11	16	20	29	34	42	54
100G									
100G13	6.6	7.8	10	15	19	28	33	41	53
100G15	7.7	9.1	12	17	22	33	39	48	62
100G17	8.8	10.4	14	20	26	37	44	55	71
100G19	9.9	11.7	15	22	29	42	50	62	80
100G21	11.0	13.0	17	25	32	47	56	69	89
100G23	12.1	14.3	19	27	36	52	61	75	97
100G25	13.2	15.6	21	30	39	56	67	82	106
100G27	14.3	16.9	22	32	42	61	72	89	115
100G29	15.4	18.2	24	35	45	66	78	96	124
100G31	16.5	19.6	26	38	49	71	84	103	133
100G33	17.6	20.9	28	40	52	75	89	110	142
100G39	19.8	23.4	30	45	57	84	99	123	159
100G45	23.1	27.3	36	51	66	99	117	144	186
100G51	26.4	31.2	42	60	78	111	132	165	213
100G57	29.7	35.1	45	66	87	126	150	186	240
100G63	33.0	39.0	51	75	96	141	168	207	267
100G69	36.3	42.9	57	81	108	156	183	225	291
100G75	39.6	46.8	63	90	117	168	201	246	318
100G81	42.9	50.7	66	96	126	183	216	267	345
100G87	46.2	54.6	72	105	135	198	234	288	372
100G93	49.5	58.8	78	114	147	213	252	309	399
100G99	52.8	62.7	84	120	156	225	267	330	426

Performance Specifications - Constant Current

Amperes to 1.83 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.7	3.5	5.0	5.9	7.1	9.0
50G07	1.8	2.1	2.8	4.1	5.3	7.5	8.9	10	13
50G09	2.4	2.8	3.8	5.5	7.1	10	11	14	18
50G13	3.6	4.2	5.7	8.2	10	15	17	21	27
90G									
90G07	2.9	3.5	4.7	6.8	8.8	12	14	17	23
90G09	3.9	4.7	6.3	9.1	11	16	19	23	30
90G11	4.9	5.9	7.9	11	14	20	24	29	38
90G13	5.9	7.0	9.5	13	17	25	29	35	46
90G15	6.9	8.2	11	16	20	29	34	41	53
100G									
100G13	6.5	7.7	10	15	19	28	33	40	53
100G15	7.6	9.0	12	17	22	32	38	47	61
100G17	8.7	10.3	13	20	26	37	44	54	70
100G19	9.8	11.5	15	22	29	42	50	61	70
100G21	10.9	12.8	17	25	32	47	55	68	88
100G23	12.0	14.1	19	27	35	51	61	74	97
100G25	13.1	15.4	20	30	39	56	66	81	106
100G27	14.1	16.7	22	32	42	61	72	88	115
100G29	15.2	18.0	24	35	45	65	77	95	123
100G31	16.3	19.3	26	37	48	70	83	102	132
100G33	17.4	20.6	27	40	52	75	89	109	141
100G39	19.5	23.1	30	45	57	84	99	120	159
100G45	22.8	27.0	36	51	66	96	114	141	183
100G51	26.1	30.9	39	60	78	111	132	162	210
100G57	29.4	34.5	45	66	87	126	150	183	237
100G63	32.7	38.4	51	75	96	141	165	204	264
100G69	36.0	42.3	57	81	105	153	183	222	291
100G75	39.3	46.2	60	90	117	168	198	243	318
100G81	42.3	50.1	66	96	126	183	216	264	345
100G87	45.6	54.0	72	105	135	195	231	285	369
100G93	48.9	57.9	78	111	144	210	249	306	396
100G99	52.2	61.8	81	120	156	225	267	327	423

Performance Specifications - Constant Current

Amperes to 1.84 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.2	1.4	1.9	2.7	3.5	5.0	5.8	7.1	9.0
50G07	1.8	2.1	2.8	4.1	5.2	7.5	8.8	10	13
50G09	2.4	2.8	3.8	5.4	7.0	10	11	14	18
50G13	3.6	4.2	5.7	8.2	10	15	17	21	27
90G									
90G07	2.9	3.5	4.7	6.8	8.7	12	14	17	22
90G09	3.9	4.6	6.3	9.1	11	16	19	23	30
90G11	4.9	5.8	7.9	11	14	20	24	29	38
90G13	5.9	7.0	9.5	13	17	25	29	35	45
90G15	6.9	8.2	11	15	20	29	34	41	53
100G									
100G13	6.5	7.6	10	14	19	28	33	40	52
100G15	7.5	8.9	12	17	22	32	38	47	61
100G17	8.6	10.2	13	19	25	37	44	54	70
100G19	9.7	11.5	15	22	29	42	49	60	79
100G21	10.8	12.7	17	24	32	46	55	67	87
100G23	11.9	14.0	18	27	35	51	60	74	96
100G25	13.0	15.3	20	29	38	56	66	81	105
100G27	14.0	16.6	22	32	42	60	71	87	114
100G29	15.1	17.9	24	34	45	65	77	94	122
100G31	16.2	19.1	25	37	48	70	82	101	131
100G33	17.3	20.4	27	39	51	74	88	108	140
100G39	19.5	22.8	30	42	57	84	99	120	156
100G45	22.5	26.7	36	51	66	96	114	141	183
100G51	25.8	30.6	39	57	75	111	132	162	210
100G57	29.1	34.5	45	66	87	126	147	180	237
100G63	32.4	38.1	51	72	96	138	165	201	261
100G69	35.7	42.0	54	81	105	153	180	222	288
100G75	39.0	45.9	60	87	114	168	198	243	315
100G81	42.0	49.8	66	96	126	180	113	261	342
100G87	45.3	53.7	72	102	135	195	231	282	366
100G93	48.6	57.3	75	111	144	210	246	303	393
100G99	51.9	61.2	81	117	153	222	264	324	420

Performance Specifications - Constant Current

Amperes to 1.86 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.1	1.3	1.8	2.6	3.4	4.9	5.7	7.0	8.9
50G07	1.7	2.0	2.7	4.6	5.1	7.3	8.6	10	13
50G09	2.3	2.7	3.7	5.3	6.8	9.8	11	14	17
50G13	3.5	4.1	5.6	8.0	10	14	17	21	26
90G									
90G07	2.9	3.4	4.6	6.6	8.6	12	14	17	22
90G09	3.9	4.6	6.2	8.9	11	16	19	23	30
90G11	4.8	5.7	7.7	11	14	20	23	29	37
90G13	5.8	6.9	9.3	13	17	24	28	34	45
90G15	6.8	8.0	10	15	20	28	33	40	52
100G									
100G13	6.3	7.4	10	14	18	27	32	39	51
100G15	7.3	8.7	11	17	22	31	37	46	60
100G17	8.4	9.9	13	19	25	36	43	52	68
100G19	9.4	11.2	15	21	28	41	48	59	77
100G21	10.5	12.4	16	24	31	45	53	66	85
100G23	11.6	13.7	18	26	34	50	59	72	94
100G25	12.6	14.9	20	29	27	54	64	79	103
100G27	13.7	16.1	21	31	41	59	70	85	111
100G29	14.7	17.4	23	34	44	63	75	92	120
100G31	15.8	18.6	25	36	47	68	80	99	128
100G33	16.8	19.9	26	38	50	73	86	105	137
100G39	18.9	22.2	30	42	54	81	96	117	153
100G45	21.9	26.1	33	51	66	93	111	138	180
100G51	25.2	29.7	39	57	75	108	129	156	204
100G57	28.2	33.6	45	63	84	123	144	177	231
100G63	31.5	37.2	48	72	93	135	159	198	255
100G69	34.8	41.1	54	78	102	150	177	216	282
100G75	37.8	44.7	60	87	111	162	192	237	309
100G81	41.1	48.3	63	93	123	177	210	255	333
100G87	44.1	52.2	69	102	132	189	225	276	360
100G93	46.4	55.8	75	108	141	204	240	297	384
100G99	50.4	59.7	78	114	150	219	258	315	411

Performance Specifications - Constant Current

Amperes to 1.88 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.1	1.3	1.8	2.6	3.3	4.7	5.5	6.8	8.6
50G07	1.7	2.0	2.7	3.9	5.0	7.1	8.3	10	13
50G09	2.3	2.7	3.6	5.2	6.6	9.5	11	13	17
50G13	3.4	4.0	5.4	7.8	10	14	16	20	26
90G									
90G07	2.8	3.3	4.5	6.5	8.4	12	14	17	22
90G09	3.8	4.5	6.0	8.7	11	16	18	22	29
90G11	4.8	5.6	7.6	10	14	20	23	28	36
90G13	5.7	6.7	9.1	13	16	24	28	34	44
90G15	6.7	7.9	10	15	19	28	32	40	51
100G									
100G13	6.1	7.2	9.8	14	18	26	31	38	49
100G15	7.2	8.4	11	16	21	30	36	44	58
100G17	8.2	9.7	13	18	24	35	41	51	66
100G19	9.2	10.9	14	21	27	39	46	57	74
100G21	10.3	12.1	16	23	30	44	52	63	82
100G23	11.3	13.3	17	25	33	48	57	70	91
100G25	12.3	14.5	19	28	36	53	62	76	99
100G27	13.3	15.7	21	30	39	57	67	83	107
100G29	14.4	16.9	22	33	42	61	73	89	116
100G31	15.4	18.2	24	35	46	66	78	95	124
100G33	16.4	19.4	26	37	49	70	83	102	132
100G39	18.3	21.6	29	42	54	78	93	114	147
100G45	21.6	25.2	33	48	63	90	108	132	174
100G51	24.6	29.1	39	54	72	105	123	153	198
100G57	27.6	32.7	42	63	81	117	138	171	222
100G63	30.9	36.3	48	69	90	132	156	189	246
100G69	33.9	39.9	51	75	99	144	171	210	273
100G75	36.9	43.5	57	84	108	159	186	228	297
100G81	39.9	47.1	63	90	117	171	201	249	321
100G87	43.2	50.7	66	99	126	183	219	267	348
100G93	46.2	54.6	72	105	138	198	234	285	372
100G99	49.2	58.2	78	111	147	210	249	306	396

Performance Specifications - Constant Current

Amperes to 1.90 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.1	1.3	1.7	2.4	3.1	4.5	5.3	6.5	8.3
50G07	1.6	1.9	2.6	3.7	4.8	6.8	8.0	9.7	12
50G09	2.2	2.6	3.4	4.9	6.3	9.1	10	13	16
50G13	3.3	3.9	5.2	7.4	9.6	13	16	19	25
90G									
90G07	2.8	3.2	4.3	6.2	8.0	11	13	16	21
90G09	3.7	4.3	5.8	8.3	10	15	18	22	28
90G11	4.6	5.4	7.3	10	13	19	22	27	35
90G13	5.6	6.5	8.7	12	16	23	27	33	42
90G15	6.5	7.6	10	14	18	27	31	38	49
100G									
100G13	5.9	7.0	9.4	13	17	25	30	36	47
100G15	6.9	8.1	11	15	20	29	35	42	55
100G17	7.9	9.3	12	18	23	33	40	48	63
100G19	8.9	10.5	14	20	26	38	45	55	71
100G21	9.9	11.6	15	22	29	42	50	61	79
100G23	10.9	12.8	17	24	32	46	55	67	87
100G25	11.9	14.0	18	27	35	50	60	73	95
100G27	12.8	15.1	20	29	38	55	65	79	103
100G29	13.8	16.3	22	31	41	59	70	85	110
100G31	14.8	17.5	23	34	44	63	75	91	118
100G33	15.8	18.7	25	36	47	67	80	97	126
100G39	17.7	21.0	28	39	51	75	90	108	141
100G45	20.7	24.3	33	45	60	87	105	126	165
100G51	23.7	27.9	36	54	69	99	120	144	189
100G57	26.7	31.5	42	60	78	114	135	165	213
100G63	29.7	34.8	45	66	87	126	150	183	237
100G69	32.7	38.4	51	72	96	138	165	201	261
100G75	35.7	42.0	54	81	105	150	180	219	285
100G81	38.4	45.3	60	87	114	165	195	237	309
100G87	41.4	48.9	66	93	123	177	210	255	330
100G93	44.4	52.5	69	102	132	189	225	273	354
100G99	47.4	56.1	75	108	141	201	240	291	378

Performance Specifications - Constant Current

Amperes to 1.92 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.0	1.2	1.6	2.3	3.0	4.3	5.0	6.1	7.9
50G07	1.6	1.8	2.5	3.5	4.5	6.5	7.6	9.2	11
50G09	2.1	2.5	3.3	4.7	6.0	8.6	10	12	15
50G13	3.2	3.7	5.0	7.1	9.1	13	15	18	23
90G									
90G07	2.6	3.1	4.1	6.0	7.7	11	13	15	20
90G09	3.5	4.1	5.6	8.0	10	14	17	21	27
90G11	4.4	5.2	7.0	10	12	18	21	26	34
90G13	5.3	6.2	8.3	12	15	22	26	31	40
90G15	6.2	7.3	9.7	14	18	25	30	37	47
100G									
100G13	5.6	6.6	8.9	12	16	24	28	34	45
100G15	6.6	7.7	10	15	19	28	33	40	52
100G17	7.5	8.8	11	17	22	32	38	46	60
100G19	8.4	10.0	13	19	25	36	42	52	67
100G21	9.4	11.1	14	21	27	40	47	58	75
100G23	10.3	12.2	16	23	30	44	52	63	82
100G25	11.3	13.3	17	25	33	48	57	69	90
100G27	12.2	14.4	19	28	36	52	61	75	97
100G29	13.2	15.5	20	30	39	56	66	81	105
100G31	14.1	16.6	22	32	41	60	71	87	113
100G33	15.0	17.7	23	34	44	64	76	92	120
100G39	16.8	19.8	27	36	48	72	84	102	135
100G45	19.9	23.1	30	45	57	84	99	120	156
100G51	22.5	26.4	33	51	66	96	114	138	180
100G57	25.2	30.0	39	57	75	108	126	156	201
100G63	28.2	33.3	42	63	81	120	141	174	225
100G69	30.9	36.6	48	69	90	132	156	189	246
100G75	33.9	39.9	51	75	99	144	171	207	270
100G81	36.6	43.2	57	84	108	156	183	225	291
100G87	39.6	46.5	60	90	117	168	198	243	315
100G93	42.3	49.8	66	96	123	180	213	261	339
100G99	45.0	53.1	69	102	132	192	228	276	360

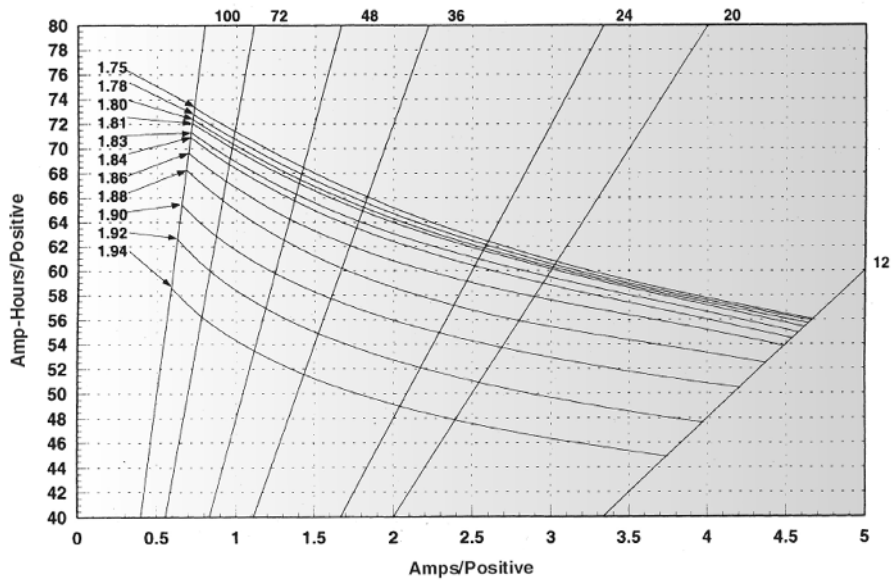
Performance Specifications - Constant Current

Amperes to 1.94 Final Volts Per Cell @ 25°C (77 °F)

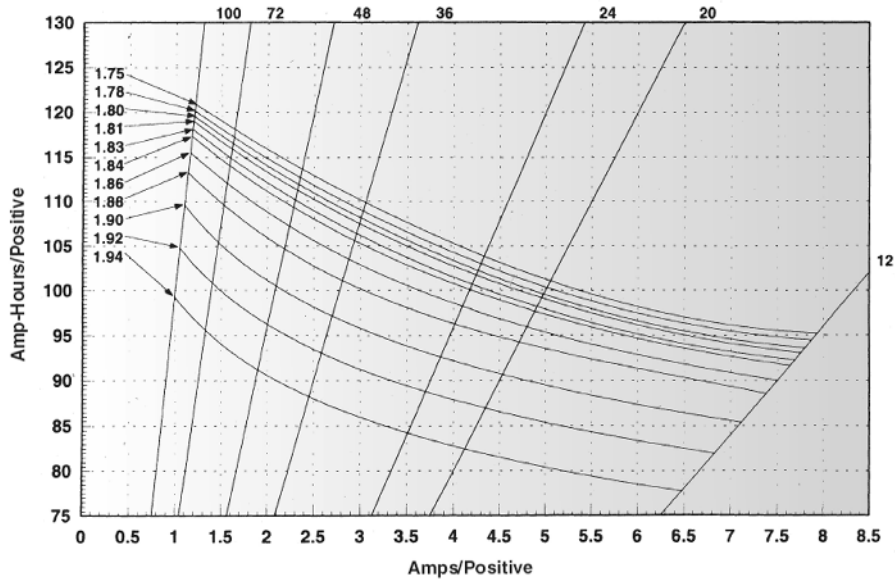
CELL TYPE	HOURS								
	120	100	72	48	36	24	20	16	12
50G									
50G05	1.0	1.1	1.5	2.2	2.8	4.0	4.7	5.8	7.4
50G07	1.5	1.7	2.3	3.3	4.2	6.1	7.1	8.6	11
50G09	2.0	2.3	3.1	4.4	5.7	8.1	9.5	11	14
50G13	3.0	3.5	4.6	6.6	8.5	12	14	17	22
90G									
90G07	2.5	2.9	3.9	5.6	7.3	10	12	15	19
90G09	3.4	3.9	5.3	7.5	9.7	14	16	20	25
90G11	4.2	4.9	6.6	9.5	12	17	20	25	32
90G13	5.1	5.9	7.9	11	14	21	24	30	38
90G15	5.9	6.9	9.2	13	17	24	28	35	45
100G									
100G13	5.3	6.2	8.4	12	15	22	26	32	42
100G15	6.2	7.3	9.8	14	18	26	30	37	49
100G17	7.1	8.3	11	16	20	30	35	43	56
100G19	7.9	9.4	12	18	23	33	39	48	63
100G21	8.8	10.4	14	20	26	37	44	54	70
100G23	9.7	11.5	15	22	28	41	48	59	77
100G25	10.6	12.5	16	24	31	45	53	64	84
100G27	11.5	13.6	18	26	33	48	57	70	91
100G29	12.4	14.6	19	28	36	52	61	75	98
100G31	13.3	15.7	21	30	39	56	66	81	105
100G33	14.2	16.7	22	32	41	60	70	86	112
100G39	15.9	18.6	25	36	45	66	78	96	126
100G45	18.6	21.9	29	42	54	78	90	111	147
100G51	21.3	24.9	33	48	60	90	105	129	168
100G57	23.7	28.2	36	54	69	99	117	144	189
100G63	26.4	31.2	42	60	78	111	132	162	210
100G69	20.1	34.5	45	66	84	123	144	177	231
100G75	31.8	37.5	48	72	93	135	159	192	252
100G81	34.5	40.8	54	78	99	144	171	210	273
100G87	37.2	43.8	57	84	108	156	183	225	294
100G93	39.9	47.1	63	90	117	168	198	243	315
100G99	42.6	50.1	66	96	123	180	210	258	336

Performance Curves @ 25°C (77°F) – 12 to 100 Hours

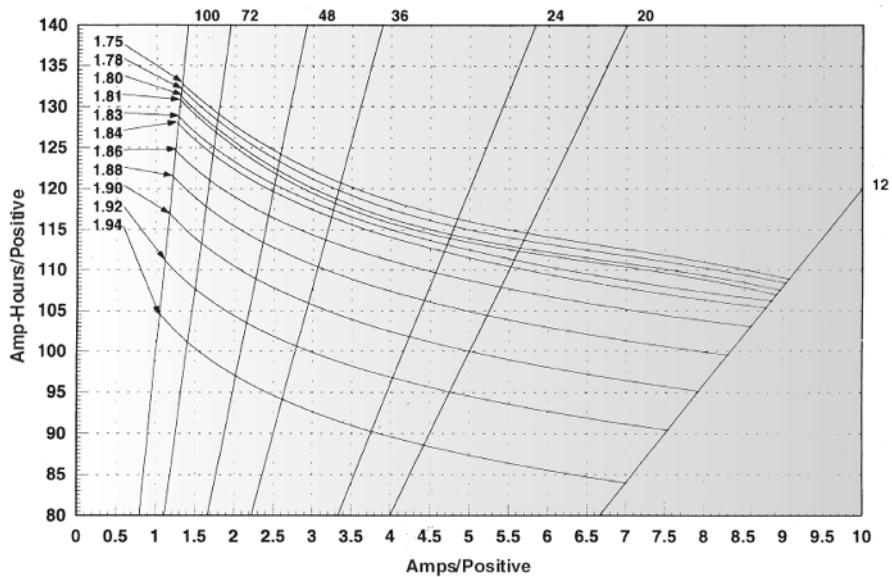
50G Series



90G Series



100G Series



Maximum Module Stack Heights Horizontal Arrangement

1997 UBC Ground Level Zone					
Series	Height	1	2B	3	4
100G	10 high	100G33	100G33	100G31	100G17
	9 high	100G33	100G33	100G33	100G23
	8 high	100G33	100G33	100G33	100G33
90G	10 high	90G15	90G15	90G15	90G09
	9 high	90G15	90G15	90G15	90G11
	8 high	90G15	90G15	90G15	90G15
50G	10 high	50G09	50G09	50G09	50G09
	9 high	50G11	50G11	50G11	50G11
	8 high	50G15	50G15	50G15	50G15

IEEE 693-2005 Certification Level			
Series	Height	High	Moderate
100G	10 high		
	8 high		X
	5 high		X
90G	10 high		
	8 high		X
	5 high	X	
50G	10 high		
	8 high		X
	5 high	X	

IBC 2018 Certification			
Series	Height	S _{DS} at/below grade	S _{DS} above grade
100G*	10 high		
	8 high	0.81	0.51
	5 high	0.81	0.51
90G	10 high		
	8 high	0.81	0.51
	5 high	2.50	1.56
50G	10 high		
	8 high	0.81	0.51
	5 high	2.50	1.56

*For higher SDS design, contact Stryten Energy

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