

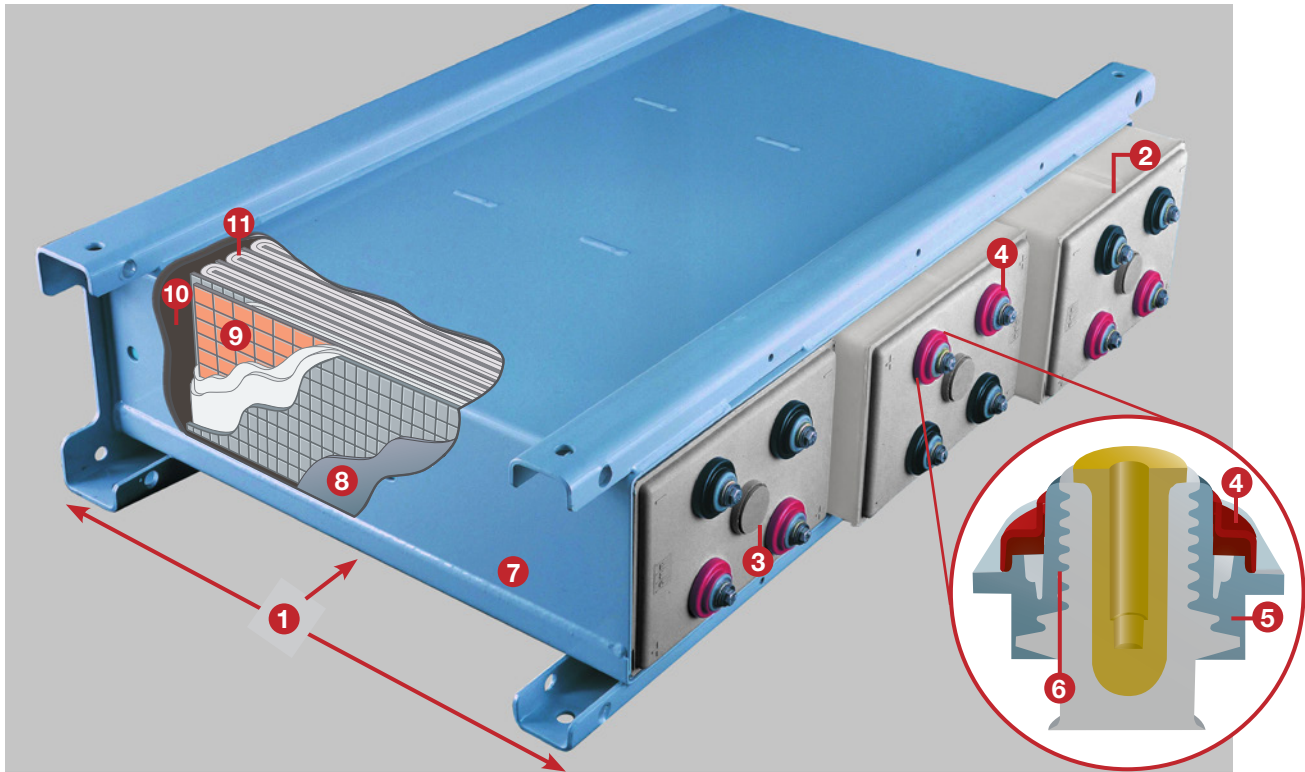
ABSOLYTE[®] GP



CONSTANT CURRENT SPECIFICATIONS

104 AH to 4800 AH
1 MINUTE to 24 HOURS

ABSOLYTE[®] GP



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. 3-10 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. Polypropylene is standard. Flame retardant, UL94 V-0/28% L.O.I. is optional.
- 9** Environmentally friendly Lead-Calcium-Tin-Silver 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.

QUALIFICATIONS

- 20 Year design life in float applications and 1200 cycles in cycle applications @ 25°C when operated per the I&O Manual.
- Absolyte GP is seismic qualified to 1997 UBC/2001CBC, 2005 IEEE-693, and 2012 IBC. (See page 18 for applicable configurations.)
- UL Recognized, ISO 9001:2000, designed to meet Telcordia SR4228.
- NEBS Level 3 Certified.



Absolyte GP 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 GNB sales representative for clarification.
Rates shown assume connectors that are properly sized.

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.75 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS											MINUTES		
	24	12	10	8	7	6	5	4	3	2	1	30	15	1
50G														
50G05	5.1	9.3	11	13	14	16	18	22	27	37	58	94	133	189
50G07	7.7	14	16	19	22	24	28	33	41	56	87	142	199	283
50G09	10	18	22	26	29	33	37	44	55	75	116	189	266	378
50G13	15	28	33	39	44	49	56	67	83	112	175	284	399	543
90G														
90G07	12	23	27	32	36	41	47	55	69	93	151	214	264	352
90G09	17	31	36	43	48	54	63	74	92	124	201	285	353	460
90G11	21	39	46	54	60	68	78	93	115	155	251	357	441	559
90G13	25	47	55	65	73	82	94	111	138	186	302	428	529	658
90G15	30	55	64	76	85	96	110	130	162	217	352	499	618	737
100G														
100G13	29	54	62	75	83	93	107	128	158	212	312	446	559	680
100G15	33	63	73	87	96	109	125	149	184	248	364	520	652	757
100G17	38	72	83	100	110	125	143	170	211	283	416	595	745	991
100G19	43	81	94	112	124	140	161	192	237	319	468	669	838	1087
100G21	48	90	104	125	138	156	179	213	264	354	520	744	932	1187
100G23	53	99	115	137	152	172	197	234	290	390	572	818	1025	1271
100G25	58	108	125	150	166	187	215	256	316	425	624	892	1118	1361
100G27	62	117	135	162	180	203	233	277	343	461	676	967	1211	1434
100G29	67	127	146	175	193	219	251	298	369	496	728	1041	1304	1677
100G31	72	136	156	187	207	234	269	320	396	532	780	1116	1398	1781
100G33	77	145	167	200	221	250	287	341	422	567	832	1190	1491	1866
100G39	87	162	186	225	249	279	321	384	474	636	936			
100G45	99	189	219	261	288	327	375	447	552	744	1092			
100G51	114	216	249	300	330	375	429	510	633	849	1248			
100G57	129	243	282	336	372	420	483	576	711	957	1404			
100G63	144	270	312	375	414	468	537	639	792	1062	1560			
100G69	159	297	345	411	456	516	591	702	870	1170	1716			
100G75	174	324	375	450	498	561	645	768	948	1275	1872			
100G81	186	351	405	486	540	609	699	831	1029	1383	2028			
100G87	201	381	438	525	579	657	753	894	1107	1488	2184			
100G93	216	408	468	561	621	702	807	960	1188	1596	2340			
100G99	231	435	501	600	663	750	861	1023	1266	1701	2496			

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Absolyte GP Performance Specifications - Constant Current Amperes to 1.78 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS											MINUTES		
	24	12	10	8	7	6	5	4	3	2	1	30	15	1
50G														
50G05	5.1	9.2	10	12	14	16	18	22	27	36	57	91	126	180
50G07	7.7	13	16	19	21	24	27	33	41	55	85	136	189	267
50G09	10	18	21	25	28	32	37	44	54	73	114	182	252	357
50G13	15	27	32	38	43	48	55	66	82	110	171	273	378	513
90G														
90G07	12	23	27	32	36	40	46	54	67	90	145	200	244	322
90G09	17	31	36	43	48	54	62	72	90	121	193	267	326	421
90G11	21	39	45	54	60	68	77	91	112	151	242	334	408	512
90G13	25	47	55	65	72	81	93	109	135	181	290	401	489	602
90G15	30	55	64	76	84	95	109	127	157	212	338	468	571	674
100G														
100G13	28	54	62	73	82	92	106	126	157	207	306	421	522	631
100G15	33	63	72	86	96	108	123	147	183	241	357	492	609	703
100G17	38	72	83	98	109	123	141	168	209	276	408	562	696	920
100G19	43	81	93	110	123	138	159	189	236	310	459	632	783	1009
100G21	48	90	103	122	137	154	176	210	262	345	511	703	871	1102
100G23	52	99	114	135	151	169	194	231	288	379	562	773	958	1180
100G25	57	108	124	147	164	185	212	252	314	414	613	843	1045	1263
100G27	62	117	134	159	178	200	229	273	341	449	664	913	1132	1331
100G29	67	126	145	172	192	216	247	294	367	483	715	984	1219	1556
100G31	72	135	155	184	206	231	265	315	393	518	766	1054	1306	1653
100G33	76	144	166	196	219	246	282	336	419	552	817	1124	1393	1731
100G39	84	162	186	219	246	276	318	378	471	621	918			
100G45	99	189	216	258	288	324	369	441	549	723	1071			
100G51	114	216	249	294	327	369	423	504	627	828	1224			
100G57	129	243	279	330	369	414	477	567	708	930	1377			
100G63	144	270	309	366	411	462	528	630	786	1035	1533			
100G69	156	297	342	405	453	507	582	693	864	1137	1686			
100G75	171	324	372	441	492	555	636	756	942	1242	1839			
100G81	186	351	402	477	534	600	687	819	1023	1347	1992			
100G87	201	378	435	516	576	648	741	882	1101	1449	2145			
100G93	216	405	465	552	618	693	795	945	1179	1554	2298			
100G99	228	432	498	588	657	738	846	1008	1257	1656	2451			

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.80 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS											MINUTES		
	24	12	10	8	7	6	5	4	3	2	1	30	15	1
50G														
50G05	5.1	9.2	10	12	14	16	18	21	27	36	55	88	120	170
50G07	7.7	13	16	19	21	24	27	32	40	54	83	132	181	253
50G09	10	18	21	25	28	32	36	43	53	72	111	176	241	338
50G13	15	27	32	38	42	48	54	65	80	108	167	264	362	486
90G														
90G07	12	23	27	32	35	40	45	53	66	88	141	192	230	293
90G09	17	31	36	43	47	53	61	71	88	118	189	256	307	383
90G11	21	39	45	53	59	67	76	88	110	147	236	321	384	466
90G13	25	46	54	64	71	80	91	106	132	177	283	385	461	548
90G15	29	54	63	75	83	93	107	124	154	206	331	449	538	613
100G														
100G13	28	53	62	73	82	91	105	124	156	201	301	406	492	575
100G15	33	62	72	85	95	107	123	145	182	235	351	474	574	640
100G17	38	71	82	97	109	122	140	165	208	269	401	542	656	838
100G19	42	80	93	110	123	137	158	186	234	302	451	610	738	919
100G21	47	89	103	122	136	153	175	207	260	336	502	678	820	1004
100G23	52	98	113	134	150	168	193	228	286	369	552	745	902	1075
100G25	57	107	124	146	164	183	211	248	312	403	602	813	984	1151
100G27	61	116	134	159	177	199	228	269	338	437	652	881	1066	1212
100G29	66	125	144	171	191	214	246	290	364	470	702	949	1148	1418
100G31	71	134	155	183	205	229	263	311	390	504	753	1017	1230	1506
100G33	76	143	165	195	218	245	281	331	416	538	803	1084	1312	1577
100G39	84	159	186	219	246	273	315	372	468	603	903			
100G45	99	186	216	255	285	321	369	435	546	705	1053			
100G51	114	213	246	291	327	366	420	495	624	807	1203			
100G57	126	240	279	330	369	411	474	558	702	906	1353			
100G63	141	267	309	366	408	459	525	621	780	1008	1506			
100G69	156	294	339	402	450	504	579	684	858	1107	1656			
100G75	171	321	372	438	492	549	633	744	936	1209	1806			
100G81	183	348	402	477	531	597	684	807	1014	1311	1956			
100G87	198	375	432	513	573	642	738	870	1092	1410	2106			
100G93	213	402	465	549	615	687	789	933	1170	1512	2259			
100G99	228	429	495	585	654	735	843	993	1248	1614	2409			

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.81 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS											MINUTES		
	24	12	10	8	7	6	5	4	3	2	1	30	15	1
50G														
50G05	5.1	9.1	10	12	14	15	18	21	26	35	54	86	118	164
50G07	7.6	13	15	19	21	23	27	32	40	53	82	129	177	244
50G09	10	18	21	25	28	31	36	43	53	71	109	172	236	326
50G13	15	27	31	38	42	47	54	64	80	106	164	259	354	468
90G														
90G07	12	23	27	32	35	39	45	53	65	87	138	187	224	284
90G09	16	31	36	42	47	53	60	71	87	116	184	250	298	372
90G11	21	38	45	53	59	66	76	89	109	145	230	312	373	451
90G13	25	46	54	64	70	79	91	107	131	175	276	375	448	531
90G15	29	54	63	74	82	93	106	125	153	204	322	437	522	595
100G														
100G13	28	53	61	73	81	91	104	123	155	201	298	397	478	550
100G15	33	62	72	85	95	106	122	144	181	235	348	463	557	612
100G17	37	71	82	97	108	122	139	164	207	268	398	529	637	802
100G19	42	80	92	109	122	137	157	185	233	302	447	595	717	879
100G21	47	89	103	121	135	152	174	205	259	335	497	662	797	960
100G23	52	97	113	134	149	167	191	226	285	369	547	728	876	1028
100G25	56	106	123	146	162	183	209	246	311	402	597	794	956	1101
100G27	61	115	134	158	176	198	226	267	337	436	646	860	1036	1160
100G29	66	124	144	170	190	213	244	288	363	470	696	926	1115	1356
100G31	71	133	154	182	203	228	261	308	389	503	746	993	1195	1440
100G33	75	142	164	195	217	244	279	329	415	537	796	1059	1275	1509
100G39	84	159	183	219	243	273	312	369	465	603	894			
100G45	99	186	216	255	285	318	366	432	543	705	1044			
100G51	111	213	246	291	324	366	417	492	621	804	1194			
100G57	126	240	276	327	366	411	471	555	699	906	1341			
100G63	141	267	309	363	405	456	522	615	777	1005	1491			
100G69	156	291	339	402	447	501	573	678	855	1107	1641			
100G75	168	318	369	438	486	549	627	738	933	1206	1791			
100G81	183	345	402	474	528	594	678	801	1011	1308	1938			
100G87	198	372	432	510	570	639	732	864	1089	1410	2088			
100G93	213	399	462	546	609	684	783	924	1167	1509	2238			
100G99	225	426	492	585	651	732	837	987	1245	1611	2388			

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Absolyte GP Performance Specifications - Constant Current Amperes to 1.83 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	5.0	9.0	10	12	13	15	17	20	26	34	53
50G07	7.5	13	15	18	20	23	26	31	39	52	80
50G09	10	18	20	24	27	31	35	41	52	69	106
50G13	15	27	31	37	41	46	53	62	78	104	160
90G											
90G07	12	23	26	31	35	39	44	52	64	85	131
90G09	16	30	35	41	46	52	59	70	86	113	175
90G11	20	38	44	52	58	65	74	88	108	142	219
90G13	25	46	53	62	70	78	89	105	129	170	263
90G15	29	53	62	72	82	92	104	123	151	199	307
100G											
100G13	28	53	61	72	80	89	102	121	151	195	286
100G15	32	61	71	84	94	104	119	141	176	227	334
100G17	37	70	81	96	107	119	136	161	201	260	382
100G19	42	79	91	108	120	134	153	181	227	293	430
100G21	47	88	102	120	134	149	170	202	252	325	478
100G23	51	97	112	132	147	164	187	222	277	358	525
100G25	56	106	122	144	161	179	204	242	302	390	573
100G27	61	115	132	156	174	194	221	262	328	423	621
100G29	65	123	143	168	188	209	238	282	353	455	669
100G31	70	132	153	180	201	224	255	303	378	488	717
100G33	75	141	163	192	214	239	272	323	403	520	764
100G39	84	159	183	216	240	267	306	363	453	585	858
100G45	96	183	213	252	282	312	357	423	528	681	1002
100G51	111	210	243	288	321	357	408	483	603	780	1146
100G57	126	237	273	324	360	402	459	543	681	879	1290
100G63	141	264	306	360	402	447	510	606	756	975	1434
100G69	153	291	336	396	441	492	561	666	831	1074	1575
100G75	168	318	366	432	483	537	612	726	906	1170	1719
100G81	183	345	396	468	522	582	663	786	984	1269	1863
100G87	195	369	429	504	564	627	714	846	1059	1365	2007
100G93	210	396	459	540	603	672	765	909	1134	1464	2151
100G99	225	423	489	576	642	717	816	969	1209	1560	2292

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.84 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	5.0	9.0	10	12	13	15	17	20	25	34	52
50G07	7.5	13	15	18	20	23	26	31	38	51	78
50G09	10	18	20	24	27	30	35	41	51	68	104
50G13	15	27	30	36	41	46	52	62	77	102	156
90G											
90G07	12	22	26	31	34	38	43	51	63	84	129
90G09	16	30	35	41	46	51	58	68	84	112	172
90G11	20	38	44	51	57	64	73	86	106	140	215
90G13	25	45	53	62	69	77	87	103	127	168	258
90G15	29	53	62	72	80	90	102	120	148	196	301
100G											
100G13	28	52	60	72	80	89	100	119	148	191	279
100G15	32	61	70	84	93	103	117	139	173	223	325
100G17	37	70	81	96	106	118	134	159	198	255	372
100G19	42	79	91	108	120	133	151	179	222	287	418
100G21	46	87	101	120	133	148	167	199	247	319	465
100G23	51	96	111	132	146	163	184	219	272	350	511
100G25	56	105	121	144	160	178	201	239	297	382	558
100G27	60	114	131	156	173	193	218	259	322	414	604
100G29	65	122	141	168	187	207	235	279	346	446	651
100G31	70	131	152	180	200	222	251	299	371	478	697
100G33	74	140	162	192	213	237	268	319	396	510	744
100G39	84	156	180	216	240	267	300	357	444	573	837
100G45	96	183	210	252	279	309	351	417	519	669	975
100G51	111	210	243	288	318	354	402	477	594	765	1116
100G57	126	237	273	324	360	399	453	537	666	861	1254
100G63	138	261	303	360	399	444	501	597	741	957	1395
100G69	153	288	333	396	438	489	552	657	816	1050	1533
100G75	168	315	363	432	480	534	603	717	891	1146	1674
100G81	180	342	393	468	519	579	654	777	966	1242	1812
100G87	195	366	423	504	561	621	705	837	1038	1338	1953
100G93	210	393	456	540	600	666	753	897	1113	1434	2091
100G99	222	420	486	576	639	711	804	957	1188	1530	2232

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Absolyte GP Performance Specifications - Constant Current Amperes to 1.86 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	4.9	8.9	10	12	13	15	17	20	24	33	50
50G07	7.3	13	15	18	20	22	25	30	37	49	75
50G09	9.8	17	20	24	26	30	34	40	49	66	100
50G13	14	26	30	36	40	45	51	61	74	99	150
90G											
90G07	12	22	26	30	34	38	43	51	62	80	123
90G09	16	30	35	41	45	50	58	68	82	107	164
90G11	20	37	43	51	56	63	72	86	103	134	205
90G13	24	45	52	61	68	76	87	103	124	161	246
90G15	28	52	61	71	79	89	101	120	144	188	287
100G											
100G13	27	51	59	70	77	86	98	115	141	181	265
100G15	31	60	69	81	90	100	115	135	164	212	309
100G17	36	68	79	93	103	115	131	154	188	242	353
100G19	41	77	89	105	116	129	148	173	212	272	397
100G21	45	85	99	117	129	144	164	193	235	303	442
100G23	50	94	108	128	141	158	181	212	259	333	486
100G25	54	103	118	140	154	173	197	231	282	363	530
100G27	59	111	128	152	167	187	213	251	306	394	574
100G29	63	120	138	163	180	201	230	270	329	424	618
100G31	68	128	148	175	193	216	246	289	353	454	663
100G33	73	137	158	187	206	230	263	309	377	484	707
100G39	81	153	177	210	231	258	294	345	423	543	795
100G45	93	180	207	243	270	300	345	405	492	636	927
100G51	108	204	237	279	309	345	393	462	564	726	1059
100G57	123	231	267	315	348	387	444	519	636	816	1191
100G63	135	255	297	351	387	432	492	579	705	909	1326
100G69	150	282	324	384	423	474	543	636	777	999	1458
100G75	162	309	354	420	462	519	591	693	846	1089	1590
100G81	177	333	384	456	501	561	639	753	918	1182	1722
100G87	189	360	414	489	540	603	690	810	987	1272	1854
100G93	204	384	444	525	579	648	738	867	1059	1362	1989
100G99	219	411	474	561	618	690	789	927	1131	1452	2121



Absolyte GP Performance Specifications - Constant Current
Amperes to 1.88 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	4.7	8.6	9	11	12	14	16	19	23	31	47
50G07	7.1	13	14	17	19	21	24	29	35	47	70
50G09	9.5	17	19	23	25	28	32	38	47	62	94
50G13	14	26	29	34	38	42	49	58	71	94	141
90G											
90G07	12	22	25	30	33	36	41	48	59	76	115
90G09	16	29	33	40	44	48	55	64	79	102	153
90G11	20	36	42	50	55	60	68	81	99	127	192
90G13	24	44	50	60	66	73	82	97	119	153	230
90G15	28	51	58	70	77	85	96	113	138	178	269
100G											
100G13	26	49	56	67	74	81	92	109	133	172	246
100G15	30	58	66	78	86	95	107	127	156	200	287
100G17	35	66	75	89	99	109	123	145	178	229	328
100G19	39	74	85	100	111	122	138	163	200	258	369
100G21	44	82	94	112	124	136	154	182	223	287	410
100G23	48	91	104	123	136	150	169	200	245	315	451
100G25	53	99	113	134	148	163	184	218	267	344	492
100G27	57	107	123	145	161	177	200	236	290	373	533
100G29	61	116	132	157	173	191	215	254	312	401	574
100G31	66	124	142	168	186	204	231	273	334	430	615
100G33	70	132	151	179	198	218	246	291	357	459	656
100G39	78	147	168	201	222	243	276	327	399	516	738
100G45	90	174	198	234	258	285	321	381	468	600	861
100G51	105	198	225	267	297	327	369	435	534	687	984
100G57	117	222	255	300	333	366	414	489	600	774	1107
100G63	132	246	282	336	372	408	462	546	669	861	1230
100G69	144	273	312	369	408	450	507	600	735	945	1353
100G75	159	297	339	402	444	489	552	654	801	1032	1476
100G81	171	321	369	435	483	531	600	708	870	1119	1599
100G87	183	348	396	471	519	573	645	762	936	1203	1722
100G93	198	372	426	504	558	612	693	819	1002	1290	1845
100G99	210	396	453	537	594	654	738	873	1071	1377	1968

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.90 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	4.5	8.3	9	11	12	13	16	18	23	29	44
50G07	6.8	12	14	16	18	20	24	28	34	44	67
50G09	9.1	16	18	22	25	27	32	37	46	59	89
50G13	13	25	28	33	37	41	48	56	69	89	134
90G											
90G07	11	21	24	28	31	35	39	46	56	73	105
90G09	15	28	32	38	42	46	53	62	75	98	140
90G11	19	35	40	47	53	58	66	78	94	123	175
90G13	23	42	48	57	63	70	79	93	113	147	210
90G15	27	49	56	67	74	82	93	109	132	172	245
100G											
100G13	25	47	54	63	70	78	87	103	126	161	228
100G15	29	55	63	74	82	91	102	120	147	188	266
100G17	33	63	72	85	94	104	116	138	168	215	304
100G19	38	71	81	95	106	117	131	155	189	242	342
100G21	42	79	90	106	118	130	146	172	211	269	380
100G23	46	87	99	117	129	143	160	190	232	295	418
100G25	50	95	108	127	141	156	175	207	253	322	456
100G27	55	103	117	138	153	169	189	224	274	349	494
100G29	59	110	126	149	165	182	204	241	295	376	532
100G31	63	118	135	159	177	195	219	259	316	403	570
100G33	67	126	144	170	188	208	233	276	337	430	608
100G39	75	141	162	189	210	234	261	309	378	483	684
100G45	87	165	189	222	246	273	306	360	441	564	798
100G51	99	189	216	255	282	312	348	414	504	645	912
100G57	114	213	243	285	318	351	393	465	567	726	1026
100G63	126	237	270	318	354	390	438	516	633	807	1140
100G69	138	261	297	351	387	429	480	570	696	885	1254
100G75	150	285	324	381	423	468	525	621	759	966	1368
100G81	165	309	351	414	459	507	567	672	822	1047	1482
100G87	177	330	378	447	495	546	612	723	885	1128	1596
100G93	189	354	405	477	531	585	657	777	948	1209	1710
100G99	201	378	432	510	564	624	699	828	1011	1290	1824

ABSOLYTE[®] GP

Absolyte GP Performance Specifications - Constant Current Amperes to 1.92 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	4.3	7.9	8	10	11	13	15	17	21	28	41
50G07	6.5	11	13	15	17	19	22	26	32	42	62
50G09	8.6	15	17	21	23	26	30	35	43	56	83
50G13	13	23	26	31	35	39	45	53	64	84	125
90G											
90G07	11	20	23	27	30	33	37	44	53	68	99
90G09	14	27	31	36	40	44	50	59	71	91	132
90G11	18	34	38	45	51	55	63	74	88	114	165
90G13	22	40	46	55	61	66	75	89	106	137	198
90G15	25	47	54	64	71	77	88	103	124	160	231
100G											
100G13	24	45	50	59	66	72	81	96	116	148	206
100G15	28	52	59	69	77	84	95	112	136	172	240
100G17	32	60	67	79	88	96	108	128	155	197	275
100G19	36	67	76	89	99	109	122	144	174	222	309
100G21	40	75	84	99	110	121	136	160	194	247	344
100G23	44	82	93	109	121	133	149	176	213	271	378
100G25	48	90	101	119	132	145	163	192	233	296	412
100G27	52	97	110	129	143	157	177	208	252	321	447
100G29	56	105	118	139	155	169	190	224	272	345	481
100G31	60	113	127	149	166	181	204	240	291	370	516
100G33	64	120	135	159	177	193	217	256	311	395	550
100G39	72	135	150	177	198	216	243	288	348	444	618
100G45	84	156	177	207	231	252	285	336	408	516	720
100G51	96	180	201	237	264	288	324	384	465	591	825
100G57	108	201	228	267	297	327	366	432	522	666	927
100G63	120	225	252	297	330	363	408	480	582	741	1032
100G69	132	246	279	327	363	399	447	528	639	813	1134
100G75	144	270	303	357	396	435	489	576	699	888	1236
100G81	156	291	330	387	429	471	531	624	756	963	1341
100G87	168	315	354	417	465	507	570	672	816	1035	1443
100G93	180	339	381	447	498	543	612	720	873	1110	1548
100G99	192	360	405	477	531	579	651	768	933	1185	1650

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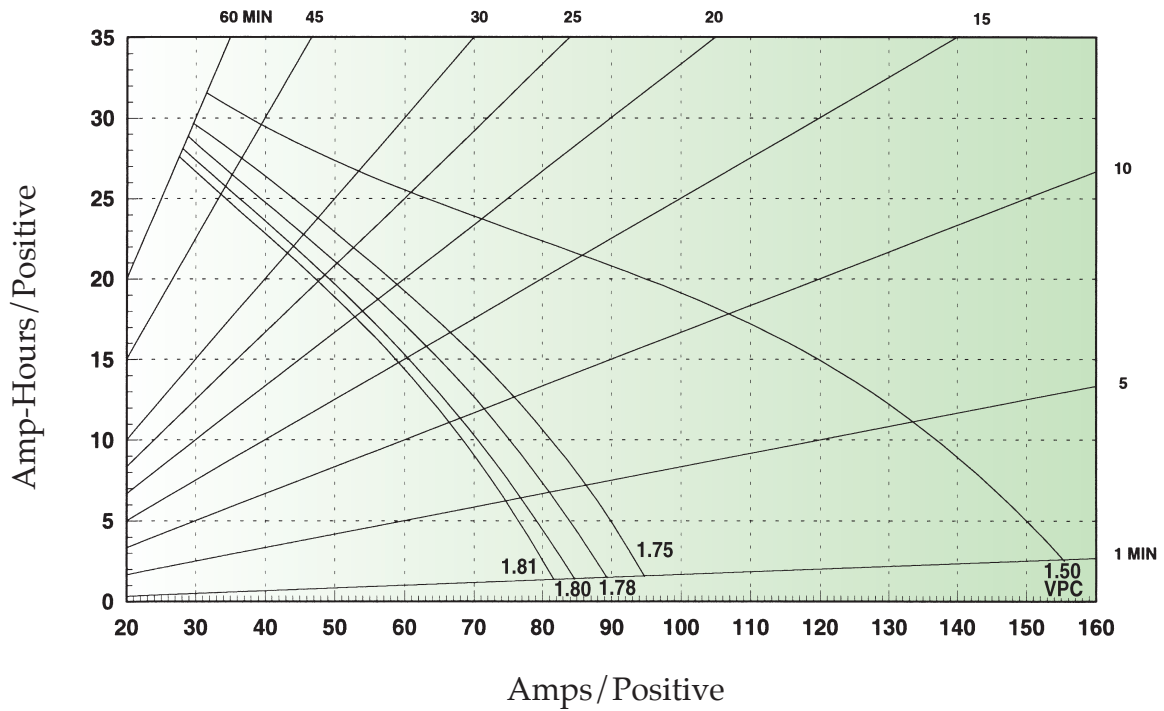
Absolyte GP Performance Specifications - Constant Current Amperes to 1.94 Final Volts Per Cell @ 25°C (77 °F)

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	4.0	7.4	8	9	11	12	14	16	20	24	37
50G07	6.1	11	12	14	16	18	21	24	30	36	56
50G09	8.1	14	16	19	22	24	28	33	40	48	75
50G13	12	22	25	29	33	36	42	49	60	73	112
90G											
90G07	10	19	21	26	28	31	35	41	49	63	91
90G09	14	25	29	34	38	41	46	55	65	84	121
90G11	17	32	36	43	47	52	58	69	82	105	151
90G13	21	38	43	52	57	62	70	82	98	126	182
90G15	24	45	50	60	66	73	81	96	115	147	212
100G											
100G13	22	42	47	55	62	67	75	88	107	135	182
100G15	26	49	55	65	72	79	88	103	125	158	213
100G17	30	56	63	74	82	90	100	118	143	181	243
100G19	33	63	71	83	93	101	113	133	161	203	274
100G21	37	70	79	92	103	113	126	148	179	226	304
100G23	41	77	87	102	113	124	138	163	197	248	334
100G25	45	84	95	111	124	135	151	177	215	271	365
100G27	48	91	103	120	134	146	164	192	233	294	395
100G29	52	98	110	130	145	158	176	207	251	316	426
100G31	56	105	118	139	155	169	189	222	269	339	456
100G33	60	112	126	148	165	180	201	237	287	362	487
100G39	66	126	141	165	186	201	225	264	321	405	546
100G45	78	147	165	195	216	237	264	309	375	474	639
100G51	90	168	189	222	246	270	300	354	429	543	729
100G57	99	189	213	249	279	303	339	399	483	609	822
100G63	111	210	237	276	309	339	378	444	537	678	912
100G69	123	231	261	306	339	372	414	489	591	744	1002
100G75	135	252	285	333	372	405	453	531	645	813	1095
100G81	144	273	309	360	402	438	492	576	699	882	1185
100G87	156	294	330	390	435	474	528	621	753	948	1278
100G93	168	315	354	417	465	507	567	666	807	1017	1368
100G99	180	336	378	444	495	540	603	711	861	1086	1461

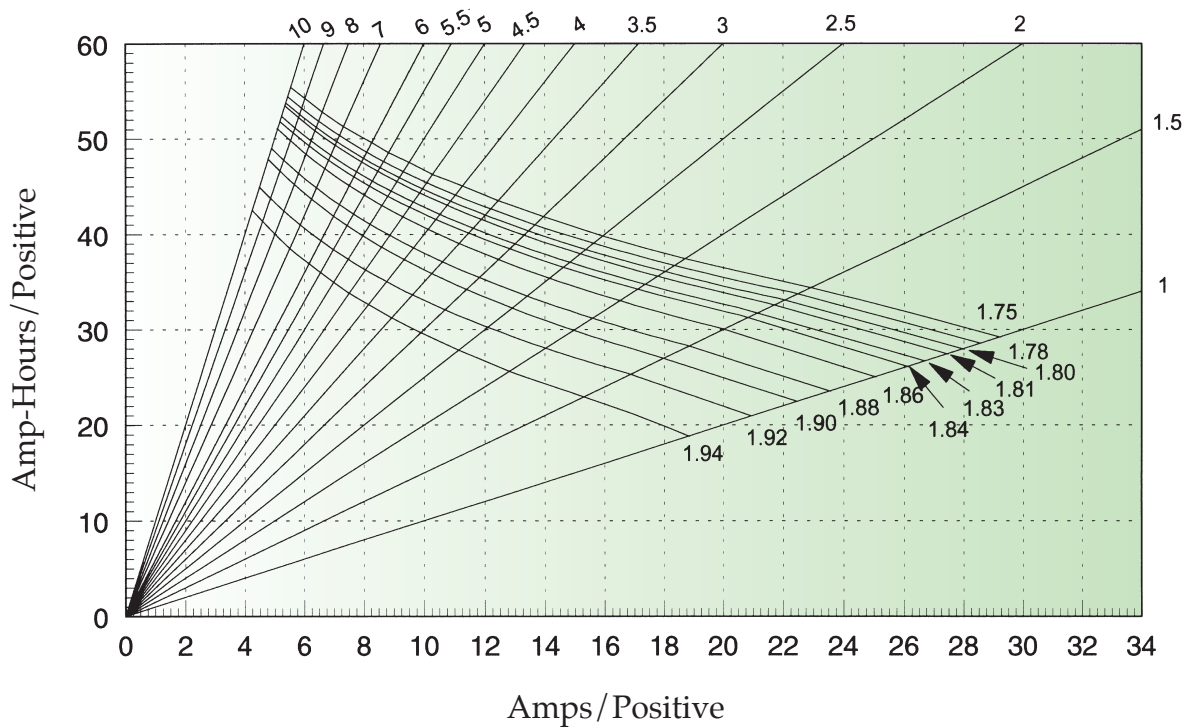
ABSOLYTE[®] GP

Absolyte GP Performance Curves @25°C (77°F)

50G Series 1 to 60 Minutes



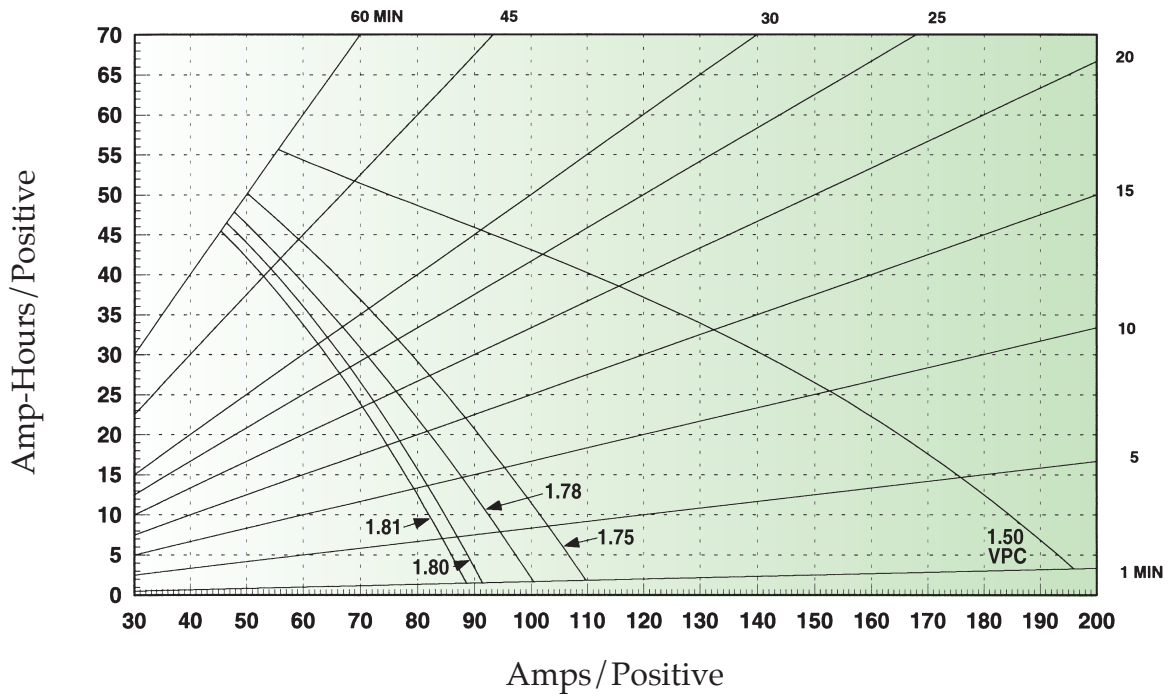
50G Series 1 to 10 Hours



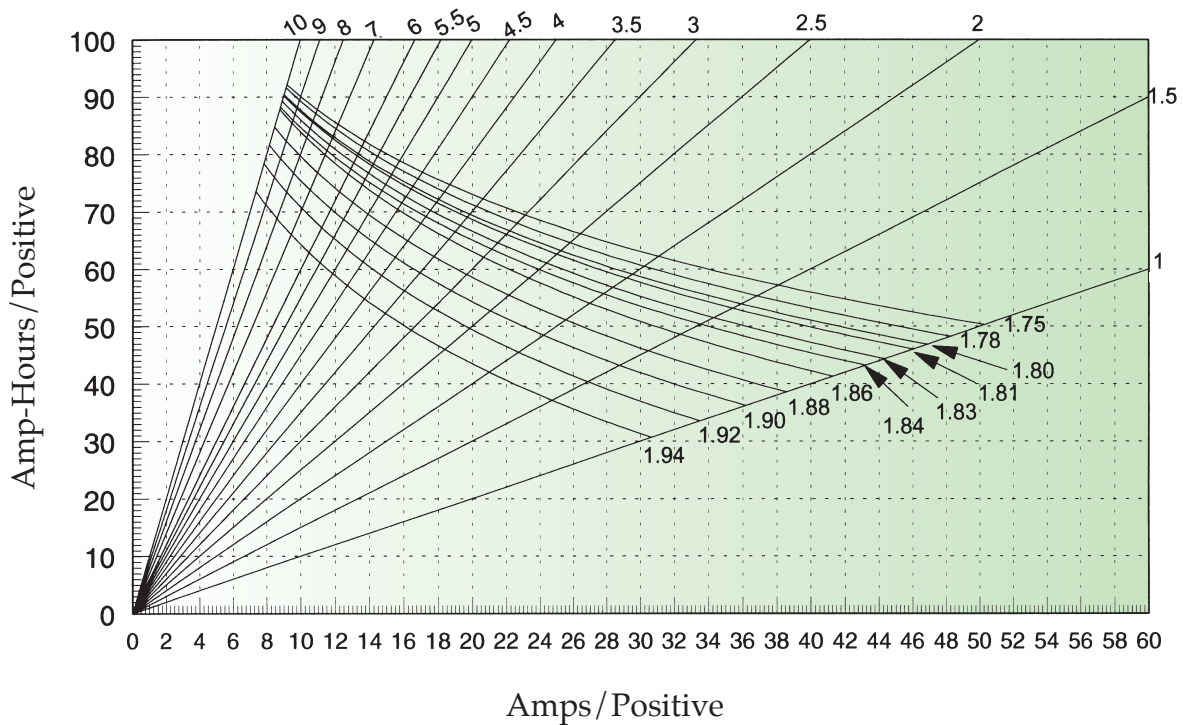
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Absolyte GP Performance Curves @25°C (77°F)

90G Series 1 to 60 Minutes



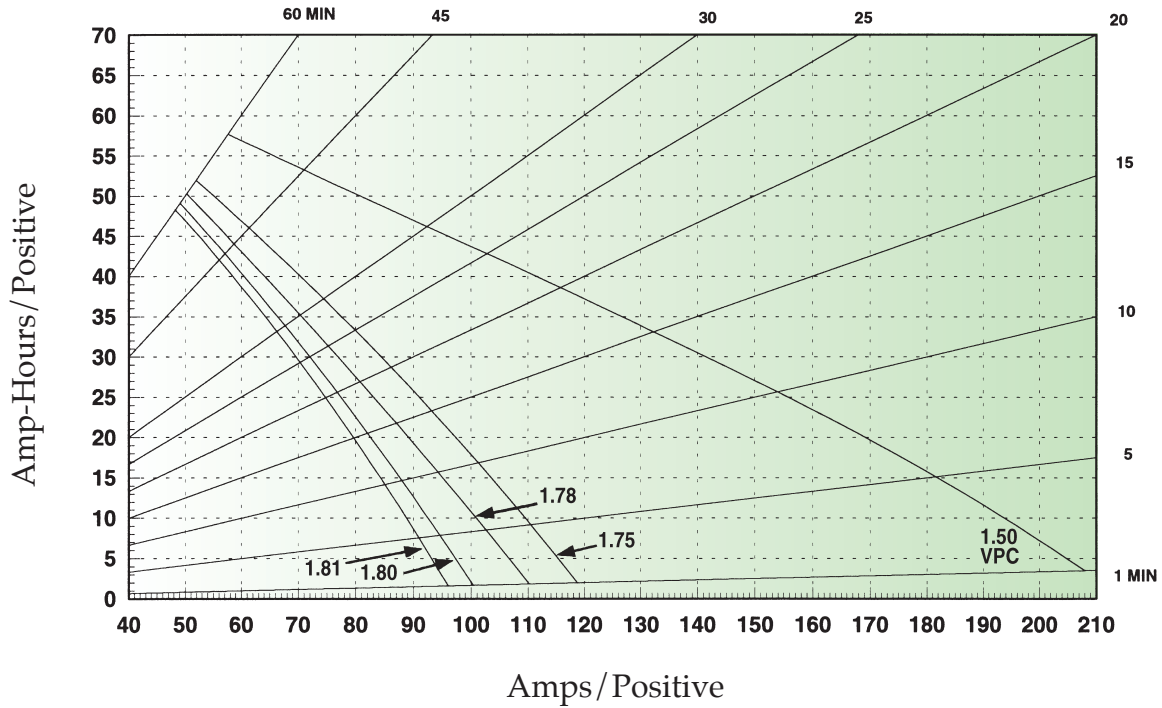
90G Series 1 to 10 Hours



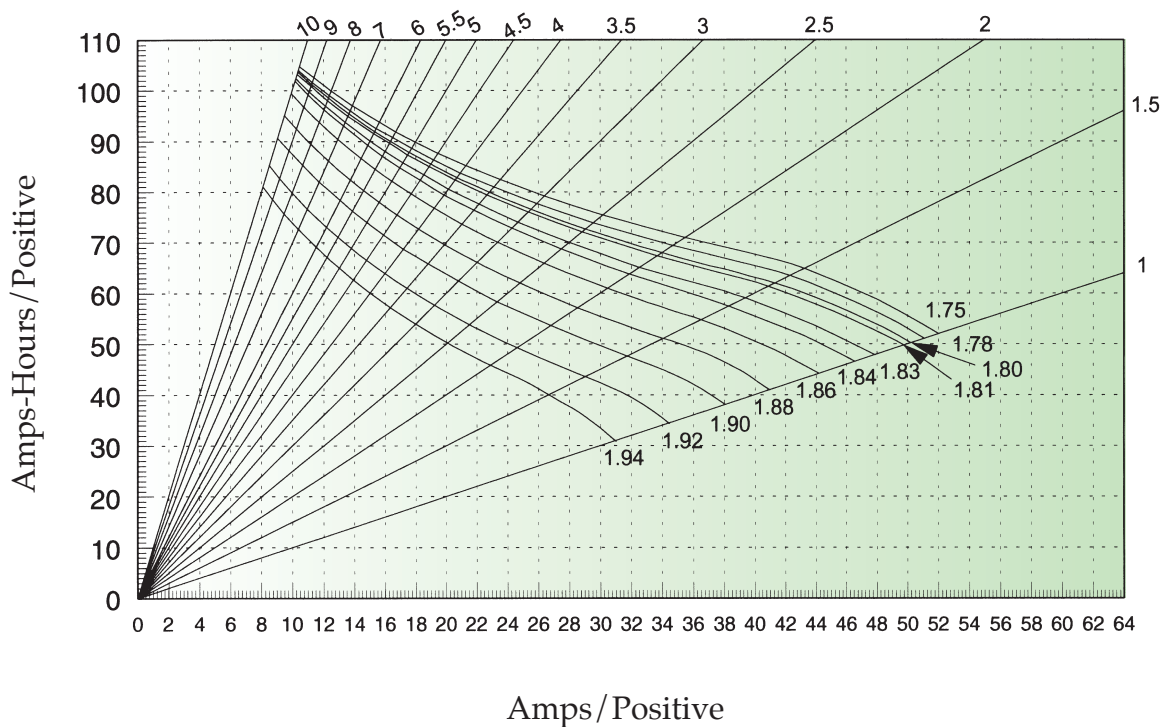
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Absolyte GP Performance Curves @25°C (77°F)

100G Series 1 to 60 Minutes



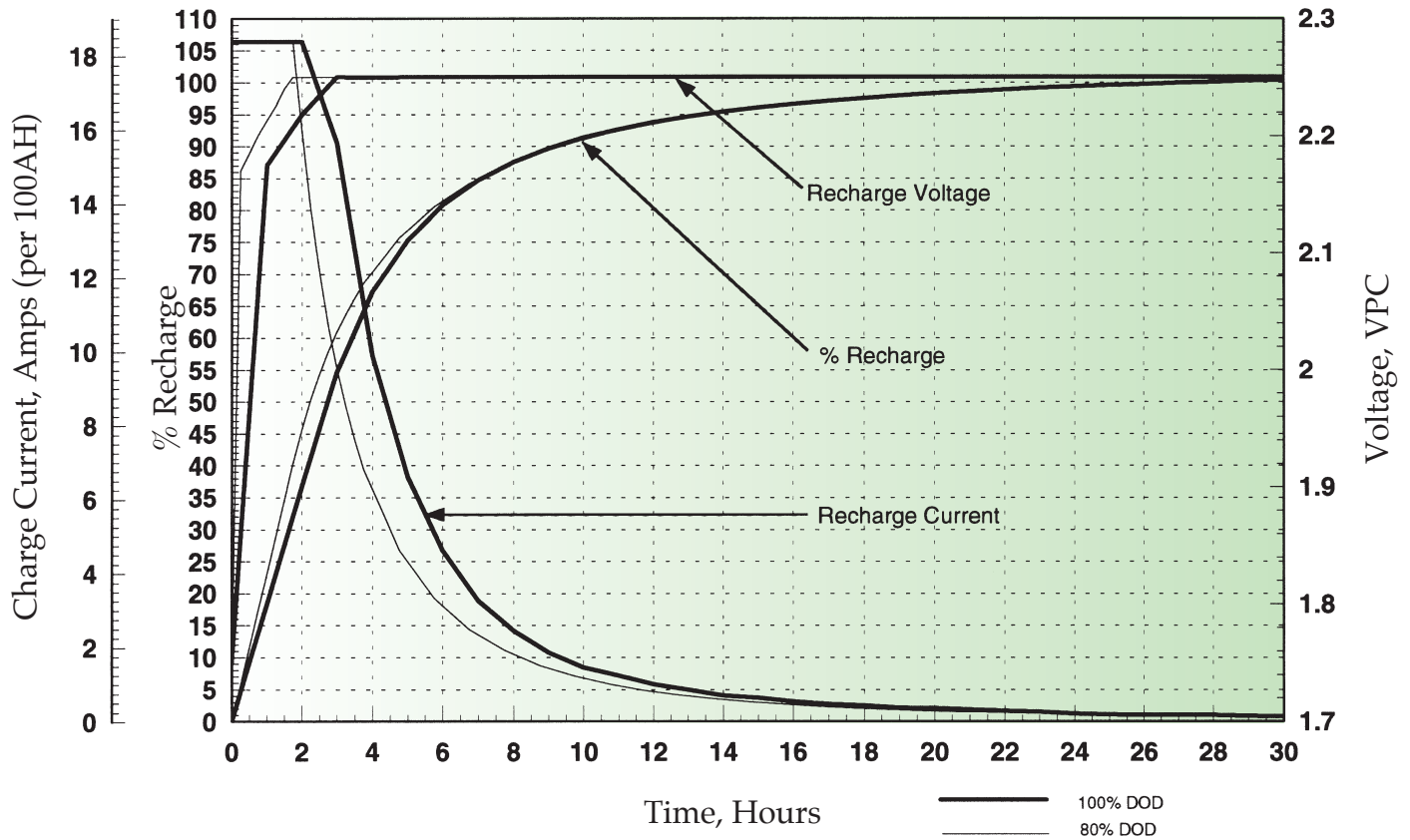
100G Series 1 to 10 Hours



ABSOLYTE[®] GP

Absolyte GP Recharge Characteristics @25°C (77°F)

50G/90G/100G Series 2.25 Volts Per Cell Float



ABSOLYTE[®] GP

Absolyte GP 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 2012 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 GNB Aurora

GNB Industrial Power – The Industry Leader.



GNB Industrial Power, a division of Exide Technologies, is a global leader in network power applications including communication/data networks, UPS systems for computers and control systems, electrical power generation and distribution systems, as well as a wide range of other industrial standby power applications. With a strong manufacturing base in both North America and Europe and a truly global reach (operations in more than 80 countries) in sales and service, GNB Industrial Power is best positioned to satisfy your back up power needs locally as well as all over the world.

Based on over 100 years of technological innovation the Network Power group leads the industry with the most recognized global brands such as ABSOLYTE®, GNB® FLOODED CLASSIC®, MARATHON®, RELAY GEL®, SONNENSCHN® and SPRINTER®. They have come to symbolize quality, reliability, performance and excellence in all the markets served.

GNB Industrial Power takes pride in its commitment to a better environment. Its Total Battery Management program, an integrated approach to manufacturing, distributing and recycling of lead acid batteries, has been developed to ensure a safe and responsible life cycle for all of its products.

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