

ABSOLYTE[®] GP



Industrial Batteries

Absolyte GP – From the World Leader in VRLA Battery Technology

Absolyte GP- Superior Performance

- Absolyte is one of the world's best selling large valve regulated lead acid (VRLA) battery brands.
- Leadership bolstered by proven field experience since 1983.
- More than six million Absolyte cells shipped.

Qualifications

- Absolyte GP is qualified to stack horizontally up to eight high for use in 1997 UBC/2001 CBC Seismic Zone IV (at or below grade).
- UL Recognized, ISO 9001:2000, Designed to meet Telcordia SR-4228
- NEBS Level 3 Certified in certain configurations.

Post Seal / Cover Seal

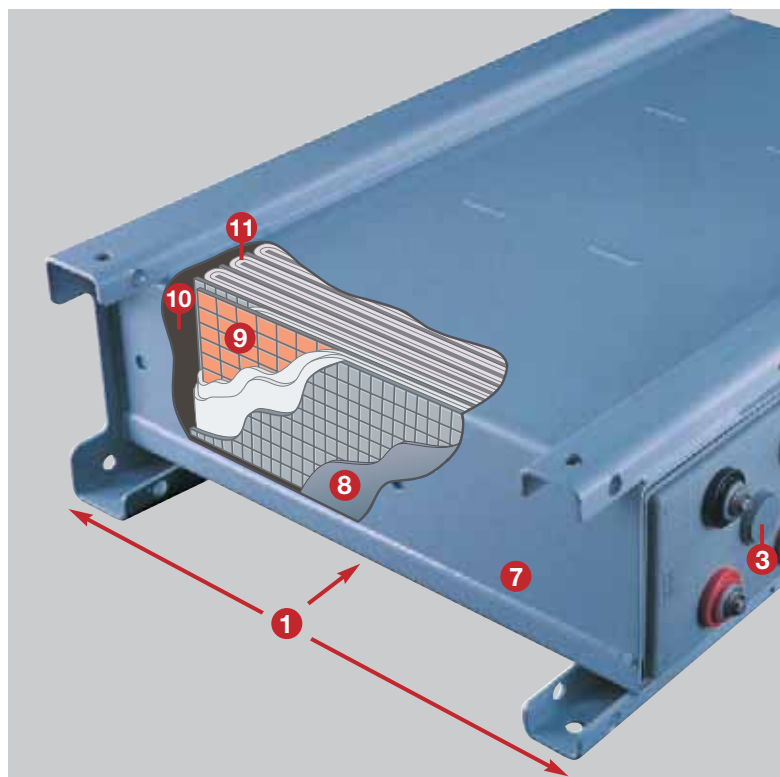
- Post seal design incorporates a non-corrosive polypropylene-to-polypropylene bond between the terminal post sleeve and the cell cover.
- Leaks 1000 times smaller than the eye can see are discovered by the super-sensitive helium leak detection system, insuring the quality of the seals.
- One of the most sophisticated and reliable post seals in the industry.

Total Technology Solution

- Environmentally friendly positive grid alloy provides reduced hazardous material content* and allows global recycling.
- Patented Lead-Calcium-Tin-Silver positive grid alloy provides long life in both float and cycling applications as well as outstanding recovery from deep discharges.
- Modular steel trays are designed for easy installation and balanced thermal management.
- Absorbed glass mat (AGM) separators provide efficient operation resulting in the highest oxygen recombination efficiency (>99%).
- Low resistance separator allows for improved high rate discharge performance.
- Flame retardant transparent module cover.

Application Ready

- Telecommunications
- Uninterruptible power systems
- Switchgear and control
- Railroad signal and communication
- Photovoltaics
- Marine
- Alternative energy systems



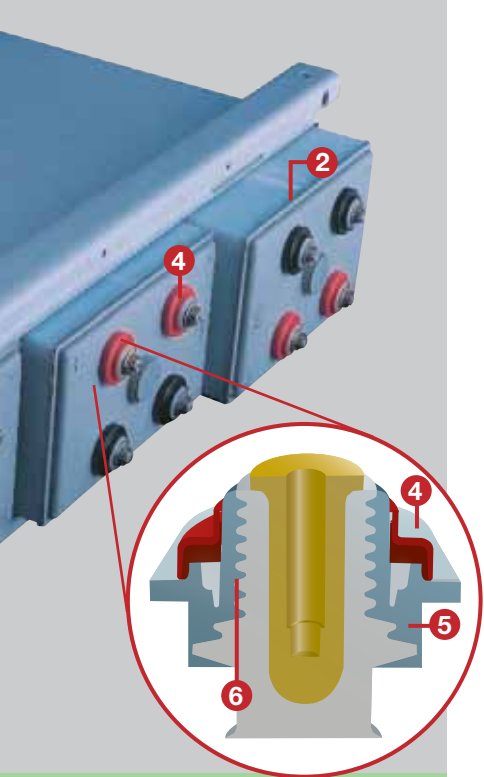
Designed for High Performance

- 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 Patented 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.

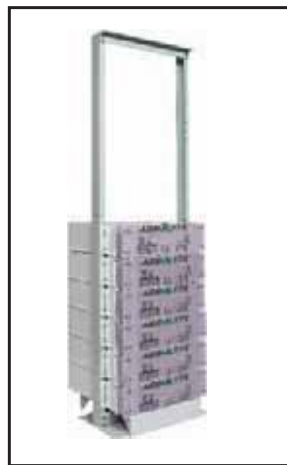
* Compared to Absolyte IIP

Specifications

- System ampere-hour range – 104 to 4800 Ah to 1.75 VPC at 8-hour rate @ 25°C (77°F).
- Electrolyte – 1.310 specific gravity acid (nominal).
- Safety vent – 3-10 psi opening pressure, self-resealing.
- Terminals – Solid copper insert.
- Positive plate – Patented lead calcium tin silver alloy.
- Negative plate – Lead calcium grid alloy.
- 20 years design life in float applications at 25°C (77°F)¹
- 1200 cycles to 80% DOD at 25°C (77°F)¹
- Operating temperature – Temperature excursions between -40°C (-40°F) to +50°C (122°F) allowed (battery performance and life will be affected).
- Self-discharge – 0.5 to 1% per week maximum @ 25°C (77°F).
- Float voltage – 2.23 to 2.27 VPC.
- Container and Cover - Polypropylene is standard. Flame retardant, UL94 V-0/28% L.O.I. is optional.



Horizontal stack assembly



Relay rack modules



Single cell module

1. When operated per I&O manual

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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.

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

CELL TYPE	HOURS											MINUTES			1 MIN TO 1.50
	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	312
50G07	7.7	14	16	19	22	24	28	33	41	56	87	142	199	283	464
50G09	10	18	22	26	29	33	37	44	55	75	116	189	266	378	621
50G13	15	28	33	39	44	49	56	67	83	112	175	284	399	543	891
90G															
90G07	12	23	27	32	36	41	47	55	69	93	151	214	264	352	629
90G09	17	31	36	43	48	54	63	74	92	124	201	285	353	460	823
90G11	21	39	46	54	60	68	78	93	115	155	251	357	441	559	999
90G13	25	47	55	65	73	82	94	111	138	186	302	428	529	658	1176
90G15	30	55	64	76	85	96	110	130	162	217	352	499	618	737	1316
100G															
100G13	29	54	62	75	83	93	107	128	158	212	312	446	559	680	1193
100G15	33	63	73	87	96	109	125	149	184	248	364	520	652	757	1327
100G17	38	72	83	100	110	125	143	170	211	283	416	595	745	991	1738
100G19	43	81	94	112	124	140	161	192	237	319	468	669	838	1087	1906
100G21	48	90	104	125	138	156	179	213	264	354	520	744	932	1187	2081
100G23	53	99	115	137	152	172	197	234	290	390	572	818	1025	1271	2228
100G25	58	108	125	150	166	187	215	256	316	425	624	892	1118	1361	2386
100G27	62	117	135	162	180	203	233	277	343	461	676	967	1211	1434	2513
100G29	67	127	146	175	193	219	251	298	369	496	728	1041	1304	1677	2939
100G31	72	136	156	187	207	234	269	320	396	532	780	1116	1398	1781	3121
100G33	77	145	167	200	221	250	287	341	422	567	832	1190	1491	1866	3270
100G39	87	162	186	225	249	279	321	384	474	636	936	1338	1677	2040	3579
100G45	99	189	219	261	288	327	375	447	552	744	1092	1560	1956	2271	3981
100G51	114	216	249	300	330	375	429	510	633	849	1248	1785	2235	2973	5214
100G57	129	243	282	336	372	420	483	576	711	957	1404	2007	2514	3261	5718
100G63	144	270	312	375	414	468	537	639	792	1062	1560	2232	2796	3561	6243
100G69	159	297	345	411	456	516	591	702	870	1170	1716	2454	3075	3813	6684
100G75	174	324	375	450	498	561	645	768	948	1275	1872	2676	3354	4083	7158
100G81	186	351	405	486	540	609	699	831	1029	1383	2028	2901	3633	4302	7539
100G87	201	381	438	525	579	657	753	894	1107	1488	2184	3123	3912	5031	8817
100G93	216	408	468	561	621	702	807	960	1188	1596	2340	3348	4194	5343	9363
100G99	231	435	501	600	663	750	861	1023	1266	1701	2496	3570	4473	5598	9810



ABSOLYTE GP

Exide Technologies – The Industry Leader.



ABSOLYTE

GNB Flooded Classic

MARATHON

RELAY GEL

Sonnenschein

Sprinter

GNB Industrial Power, a division of Exide Technologies is a global leader in stored electrical energy solutions for all major critical reserve power applications and needs. Network power applications include 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 Division leads the industry with the most recognized global brands such as ABSOLYTE®, SONNENSCHWEIN®, MARATHON®, SPRINTER®, RELAY GEL® and GNB FLOODED CLASSIC™. They have come to symbolize quality, reliability, performance and excellence in all the markets served.

Exide Technologies 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.

GNB Industrial Power

A division of Exide Technologies
USA - Tel: 888.898.4GNB (4462)
Canada - Tel: 800.268.2698

www.exide.com

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