ABSOLYTE® GP

RELAY RACK MODULES SPECIFICATIONS

EXIDE TECHNOLOGIES
INDUSTRIAL ENERGY

SECTION 26.13 2009-01

ABSOLYTE® GP

THE WORLD LEADER IN VRLA SEALED BATTERY POWER

- Environmentally friendly positive grid alloy provides reduced hazardous material content[1] and allows global recycling.
- Patented Lead-Calcium-Tin-Silver positive grid alloy provides 1200 cycles to 80% D.O.D. @ 25°C (77°F), and a 20 year design life in float service @ 25°C (77°F).[2]
- Absorbed glass mat (AGM) separators provide >99% oxygen recombination efficiency.
- Low resistance of the glass mat improves high rate discharge performance.
- No water additions are required.

APPLICATIONS

- Central Office
- PBX
- Microwave
- CEV-Hut
- Cellular Radio

ADDED FEATURES & BENEFITS

- Does not require separate battery room
- Can be integrated into other equipment enclosures
- Freezing tolerant
- Deep discharge recovery
- Accepts high rate charge
- Recyclable to World Standards
- 20 year design life in float applications @ 25°C (77°F)[2]
- Transparent, flame retardant module cover
- Mounts into standard 19 inch and 23 inch Telecom racks
- Simple cell replacement capability
- Relay racks and base supports are available

CELL SPECIFICATIONS

Container and Cover — Polypropylene is standard. Flame retardant, UL94 V-0/28% L.O.I. is optional.

Separators — Spun glass, microporous matrix.

Safety Vent — 3-10 PSI opening pressure, self-resealing.

Terminals — Solid copper insert.

Positive Plate — Patented Lead-Calcium-Tin-Silver grid alloy.

Negative Plate — Lead calcium grid alloy.

Design Life — 20 years in float service @ 25°C (77°F).[2]

Self Discharge — 0.5 to 1% per week maximum @ 25°C (77°F).

Float Voltage — 2.23 to 2.27 VPC (2.25 recommended) @ 25°C (77°F).

1200 Cycles — 80% D.O.D. @ 25°C (77°F)[2]

Operating temperature — Temperature excursions between -40°C (-40°F) to +50°C (122°F) allowed (battery performance and life will be affected)

1 Compared to Absolyte IIP

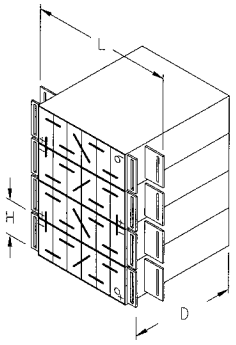
2 When operated per the I&O Manual

ABSOLYTE® GP

Absolyte GP Relay Rack Module Weights and Dimensions

MODULE TYPE	VOLTS	NOM AH CAP (8 HR)	STACKING DIMENSIONS						UNPACKED WEIGHT		DOMESTIC PACKED WEIGHT		EXPORT PACKED WEIGHT	
			LENGTH		WIDTH		DEPTH OR HEIGHT							
			IN	MM	IN	MM	IN	MM	LBS	KG	LBS	KG	LBS	KG
19 INCH RELAY RACK MOUNTABLE														
6-50G05-R19	12	104	20.31	516	6.49	165	15.15	385	132	60	148	68	192	88
5-50G07-R19	10	152	20.31	516	6.49	165	15.15	385	149	68	160	73	201	92
4-50G09-R19	8	208	20.31	516	6.49	165	15.15	385	149	68	160	73	203	93
3-50G13-R19	6	312	20.31	516	6.49	165	15.15	385	163	74	178	81	225	103
5-90G07-R19	10	256	20.31	516	6.49	165	22.48	571	242	110	256	117	304	139
4-90G09-R19	8	344	20.31	516	6.49	165	22.48	571	250	114	265	121	310	141
3-90G11-R19	6	432	20.31	516	6.49	165	22.48	571	233	106	247	113	292	133
3-90G13-R19	6	520	20.31	516	6.49	165	22.48	571	266	121	283	129	337	154
2-90G15-R19	4	608	20.31	516	6.49	165	22.48	571	215	98	230	105	278	127
23 INCH RELAY RACK MOUNTABLE														
6-50G05-R23	12	104	24.31	618	6.49	165	15.15	385	132	60	148	67	192	87
6-50G07-R23	12	152	24.31	618	6.49	165	15.15	385	174	79	184	84	226	103
5-50G09-R23	10	208	24.31	618	6.49	165	15.15	385	181	83	192	87	235	107
4-50G13-R23	8	312	24.31	618	6.49	165	15.15	385	208	95	223	101	270	123
6-90G07-R23	12	256	24.31	618	6.49	165	22.48	571	282	128	296	135	344	156
5-90G09-R23	10	344	24.31	618	6.49	165	22.48	571	301	137	316	144	361	165
4-90G11-R23	8	432	24.31	618	6.49	165	22.48	571	295	134	309	140	354	161
4-90G13-R23	8	520	24.31	618	6.49	165	22.48	571	339	154	356	162	410	186
3-90G15-R23	6	608	24.31	618	6.49	165	22.48	571	299	136	314	143	362	165

*Includes 77mm (3") additional for module cover assembly



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

For additional performance data, refer to Section 26.10

CELL TYPE	HOURS										
	24	12	10	8	7	6	5	4	3	2	1
50G											
50G05	5.1	9.3	11	13	14	16	18	22	27	37	58
50G07	7.7	14	16	19	22	24	28	33	41	56	87
50G09	10	18	22	26	29	33	37	44	55	75	116
50G13	15	28	33	39	44	49	56	67	83	112	175
90G											
90G07	12	23	27	32	36	41	47	55	69	93	151
90G09	17	31	36	43	48	54	63	74	92	124	201
90G11	21	39	46	54	60	68	78	93	115	155	251
90G13	25	47	55	65	73	82	94	111	138	186	302
90G15	30	55	64	76	85	96	110	130	162	217	352

NOTE: Design and/or specifications subject to change without notice. If questions arise, contact your local Exide Technologies Industiral Energy sales representative for clarification.

Rates shown assume connectors that are properly sized.

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Exide Technologies Industrial Energy 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, Exide Technologies Industrial Energy 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®, SONNENSCHEIN®, 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 Industrial Energy 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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