

# ABSOLYTE® GP

## VALVE REGULATED, LEAD ACID SINGLE CELL BATTERIES

Providing more batteries to the US Railroad Signal Market during the past decade than all other manufacturers combined!

- 20 year design life
- 105 to 1140 AH
- Single cell module for ease of handling
- UL recognized component
- Recyclable to world standards



## MONITOR BATTERY CAPACITY TESTER AND CHARGER WITH ALARMS

- Test to confirm the standby battery is operating to designed capacity
- Easily programmed microprocessor controlled charger with fail safe circuitry
- Battery capacity test result relay and LED indication
- DC fault alarm relay and LED indication
- Test data and DC fault alarm log with recall
- Input/output surge protection



**EXIDE**  
TECHNOLOGIES  
INDUSTRIAL ENERGY

# ABSOLYTE<sup>®</sup> GP

## THE WORLD LEADER IN VRLA BATTERY POWER

- Environmentally friendly positive grid alloy provides reduced hazardous material content<sup>1</sup> and allows global recycling.
- Patented Lead-Calcium-Tin-Silver positive grid alloy provides long life in both float and cycling applications.
- Absorbed glass mat (AGM) separators provide >99% recombination efficiency.
- Low resistance of the glass mat improves high rate discharge performance.
- Cells are housed in protective, individual steel trays with convenient lifting handles for easy transport to remote locations.
- The single cells may be operated in the horizontal (preferred) or vertical position.<sup>2</sup>
- No water additions are required.
- Periodic visual inspections, voltage readings and connection retorquing is all that is required.



1. Compared to Absolyte IIP  
2. 50G single cells only.  
3. When operated per I&O Manual

## APPLICATIONS

The Absolyte GP Single Cell Modules are ideal for numerous applications including

- Crossings
- Signals
- Positive Train Control
- Control Points
- Hot Box Detectors
- AEI Sites
- Track Circuits
- Solar
- Alternative Energy Systems

## 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
- Enhanced post access for ease of maintenance and battery health assessment
- Globally recyclable
- Greater use of reprocessed materials compared to prior Absolyte products.

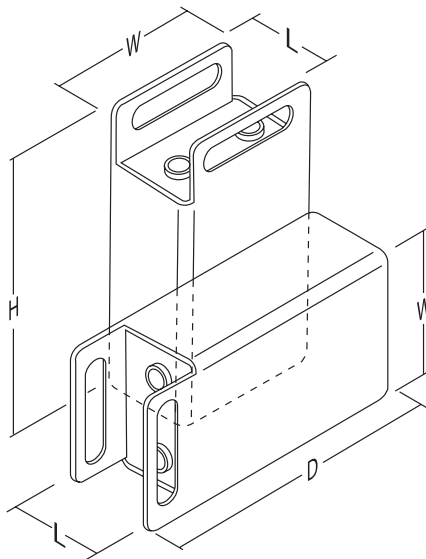
## CELL SPECIFICATIONS

- Separators - Spun glass, microporous matrix.
- Design Life – 20 years in float applications at 25°C (77°F).<sup>3</sup>
- Container and Cover – Polypropylene is standard. flame retardant, UL94 V-0 / 28% L.O.I. is optional.
- 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.
- 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).

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## Absolyte GP Single Cell Module Weights and Dimensions

CELL TYPE	NOM AH CAP (8 HR)	LENGTH		WIDTH		DEPTH OR HEIGHT		WEIGHT	
		IN	MM	IN	MM	IN	MM	LB	KG
<b>50G</b>									
50G05	105	3.80	97	6.49	165	16.00	406	32	15
50G07	160	3.80	97	6.49	165	16.00	406	39	18
50G11	265	4.55	116	6.49	165	16.00	406	50	23
50G13	320	5.30	135	6.49	165	16.00	406	58	26
50G15	370	6.05	154	6.55	166	16.00	406	66	30
50G19	475	7.67	195	6.67	169	16.00	406	91	41
50G27	685	10.67	271	6.67	169	16.00	406	124	56



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

CELL TYPE	HOURS													
	100	72	36	24	20	16	12	10	8	6	4	3	2	1
<b>50G</b>														
50G05	1.4	1.9	3.6	5.1	6.0	7.3	9.3	11	13	16	22	27	37	58
50G07	2.1	2.9	5.5	7.7	9.1	11	14	16	19	24	33	41	56	87
50G11	3.6	4.9	9.1	13	15	18	23	27	33	41	56	69	94	146
50G13	4.3	5.9	11	15	18	22	28	33	39	49	67	83	112	175
50G15	5.1	6.9	12	18	21	25	32	38	46	57	78	97	131	204
50G19	6.5	8.9	16	23	27	33	42	49	59	74	101	125	169	262
50G27	9.5	12	23	33	39	47	60	71	85	107	146	181	244	379

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

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## FOR USE WITH ALL RAILROAD SIGNAL BATTERY APPLICATIONS

The ultimate smart charger for railroad applications. The fully programmable microprocessor control will set a new standard for ease of use and technological superiority.



## BATTERY TESTER AND CHARGER COMBINATION:

A valid battery capacity test can be performed with the loads connected and the system operating. Pressing one button activates the test and measures the stored results. The maintainer does not have to remain on site. The test process is automatically completed with a timed equalize charge and return to float. The maintainer can recall and record test results at any future time. The MONITOR will provide a local and remote indication of the test results!

## AN EASY, ACCURATE METHOD TO TEST BATTERY AMPERE-HOUR CAPACITY.

# Exide Technologies – The Industry Leader.



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, 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 leads the industry with the most recognized global brands such as ABSOLYTE®, SONNENSCHNEIN®, MARATHON®, SPRINTER®, RELAY GEL®, ONYX™ 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.

## Exide Technologies Industrial Energy

USA - Tel: 800.462.RAIL (7254)  
Canada - Tel: 800.268.2698  
[www.exide.com](http://www.exide.com)

