

# ABS<sup>LYTE</sup> GP



## Industrial Batteries

## Absolyte GP- Superior Performance

- Absolyte is one of the world’s best selling large valve regulated lead acid (VRLA) battery brands.
- GNB is an industry innovator of large format 2V VRLA systems with field proven experience since 1983.

### Qualifications

- Absolyte GP is seismic qualified to 1997 UBC/2001CBC, 2005 IEEE-693, and 2012 IBC.
- UL Recognized, ISO 9001:2000, Designed to meet Telcordia SR-4228
- NEBS Level 3 Certified.

### Post Seal / Cover Seal

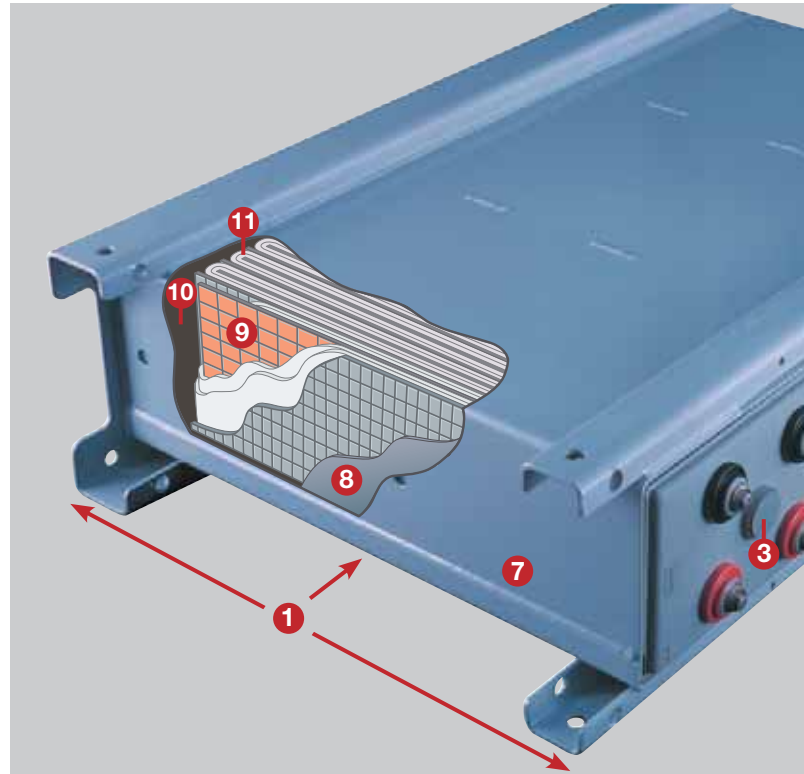
- Post seal design incorporates a non-corrosive polypropylene-to-polypropylene bond between the terminal post sleeve and the cell cover.
- Highly sensitive helium leak detection system ensures the quality of the seals by detecting leaks up to 1000 times smaller than the eye can see before the product is ever released to the field.
- 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.
- Post Access Optimized for ease of maintenance and battery health assessment.

### Application Ready

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

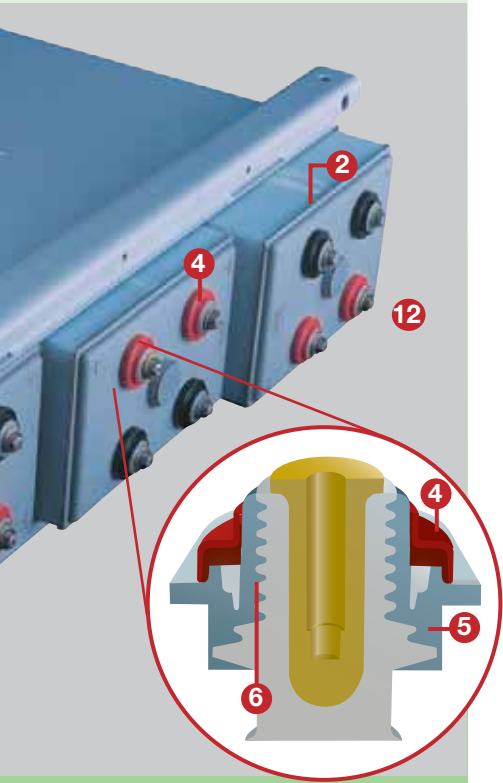


### Designed for High Performance

- 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.
- 12 Post Access optimized** for ease of maintenance and assessment of battery health

\* 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)<sup>1</sup>
- 1200 cycles to 80% DOD at 25°C (77°F)<sup>1</sup>
- 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

---

# 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®, SONNENSCHNEIN®, 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.

Contact Us: (866) 324-4410