GNB INDUSTRIAL POWER
A Division of Exide Technologies

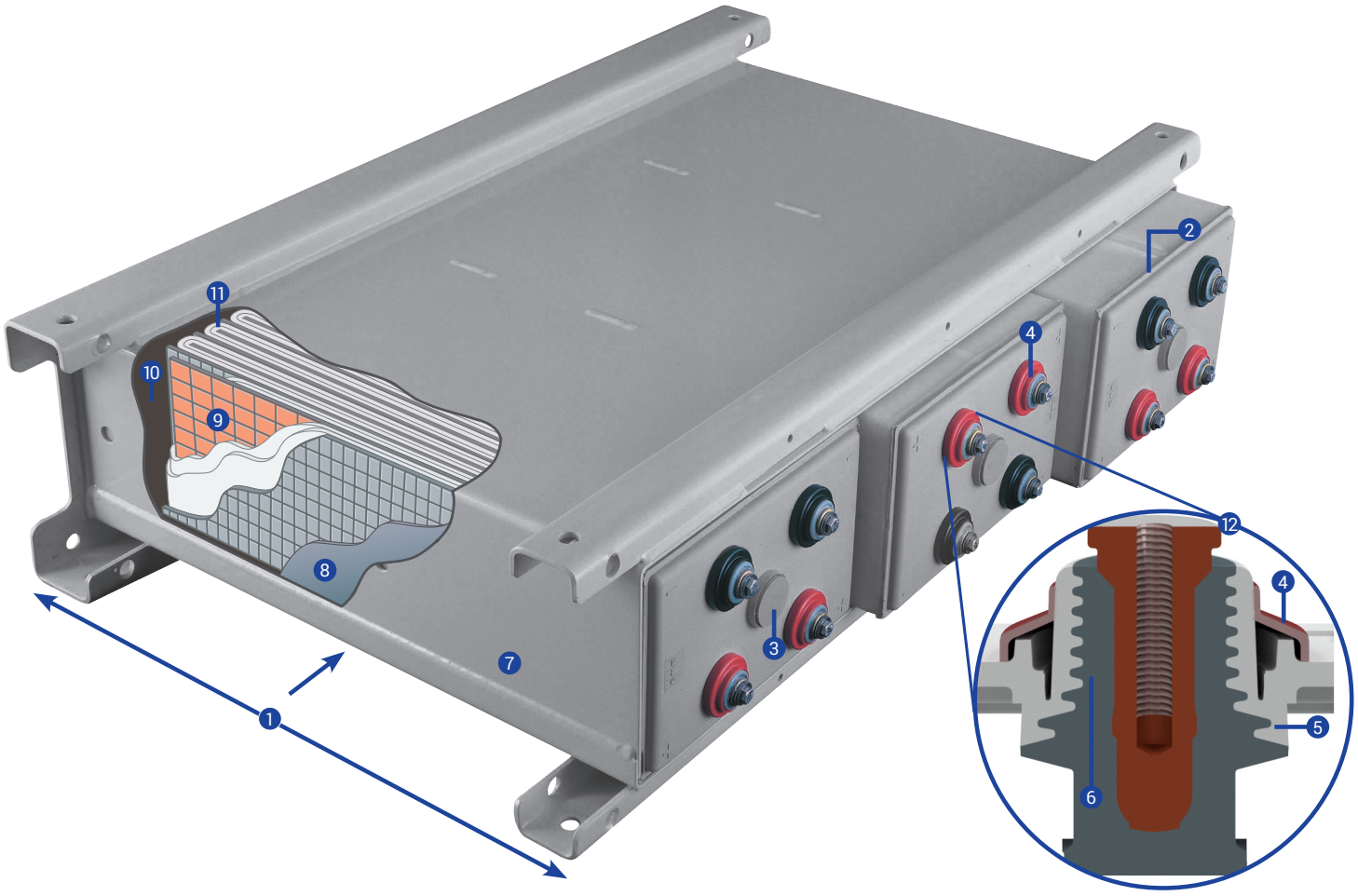
ABSOLYTE®

THE ABSOLYTE GP® ADVANTAGE

GNB Industrial Power's Absolyte GP 2-volt valve-regulated lead-acid (VRLA) battery cells are a proven power solution for telecommunications, UPS, electric utility, railroad, and renewable energy applications. The Absolyte GP is an absorbent glass mat (AGM) design equipped with a lead-calcium-tin positive grid alloy, which provides superior float life (20 years at 25ºC) and cycling capabilities (1200 cycles to 80% depth of discharge). Absolyte GP cells are housed in modular steel trays which provide a compact footprint and easy installation. Designed and optimized for standby float, high rate, or deep cycling, Absolyte GP battery systems have an operating temperature range of -40 to +50ºC and are available with an ampere-hour capacity of 104-4800Ah (8 hr. rate to 1.75 VPC at 25ºC)

DESIGNED FOR MAXIMUM RELIABILITY

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.** 3.5 - 9 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 -** Flame retardant UL94 V-0/28% L.O.I. polypropylene is standard; non-flame retardant is optional
9. **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



RECYCLE WITH EXIDE

EXIDE TOTAL BATTERY MANAGEMENT (TBM)

Exide is one of the largest secondary recyclers in the world, and one of the few companies with the ability to provide Total Battery Management, helping to divert batteries from the waste stream by returning the recycled materials to new products. Our commitment to recycling and environmental responsibility is unwavering.

ABSOLYTE – SUPERIOR PERFORMANCE IN EVERY WAY

Absolyte is one of the world's best selling large valve regulated lead acid (VRLA) battery brands, from an industry innovator with field-proven experience since 1983.

Qualifications

- Absolyte GP is seismic qualified to 1997 UBC, 2005 IEEE-693, and 2018 IBC/2016 CBC.
- UL Recognized Component, ISO 9001:2015, Designed to meet Telcordia GR-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.
- 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.
- Lead-Calcium-Tin 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.
- Each cell is barcoded for product traceability.

Application Ready

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

*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 – 3.5 - 9 psi opening pressure, self-resealing.
Terminals – Solid copper insert.
Positive plate – Lead calcium tin grid alloy.
Negative plate – Lead calcium grid alloy.
20 years design life in float applications at 25°C (77°F)
1200 cycles to 80% DOD at 25°C (77°F)
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 at 25ºC (77ºF)
Container and Cover - Polypropylene Flame retardant, UL94 V-0/28% L.O.I. is standard, Non-Flame retardant is optional.

GNB INDUSTRIAL POWER

POWERING THE WORLD **FORWARD**

YOUR PARTNER FOR STORED ENERGY SOLUTIONS.

Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. We provide a comprehensive and customized range of stored electrical energy solutions. Based on over 120 years of experience in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and automotive applications.

GNB Industrial Power — a division of Exide Technologies — offers an extensive range of storage products and services, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, the distribution and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all products.

GNB® Industrial Power
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