STRYTEN ENERGY

E-SERIES

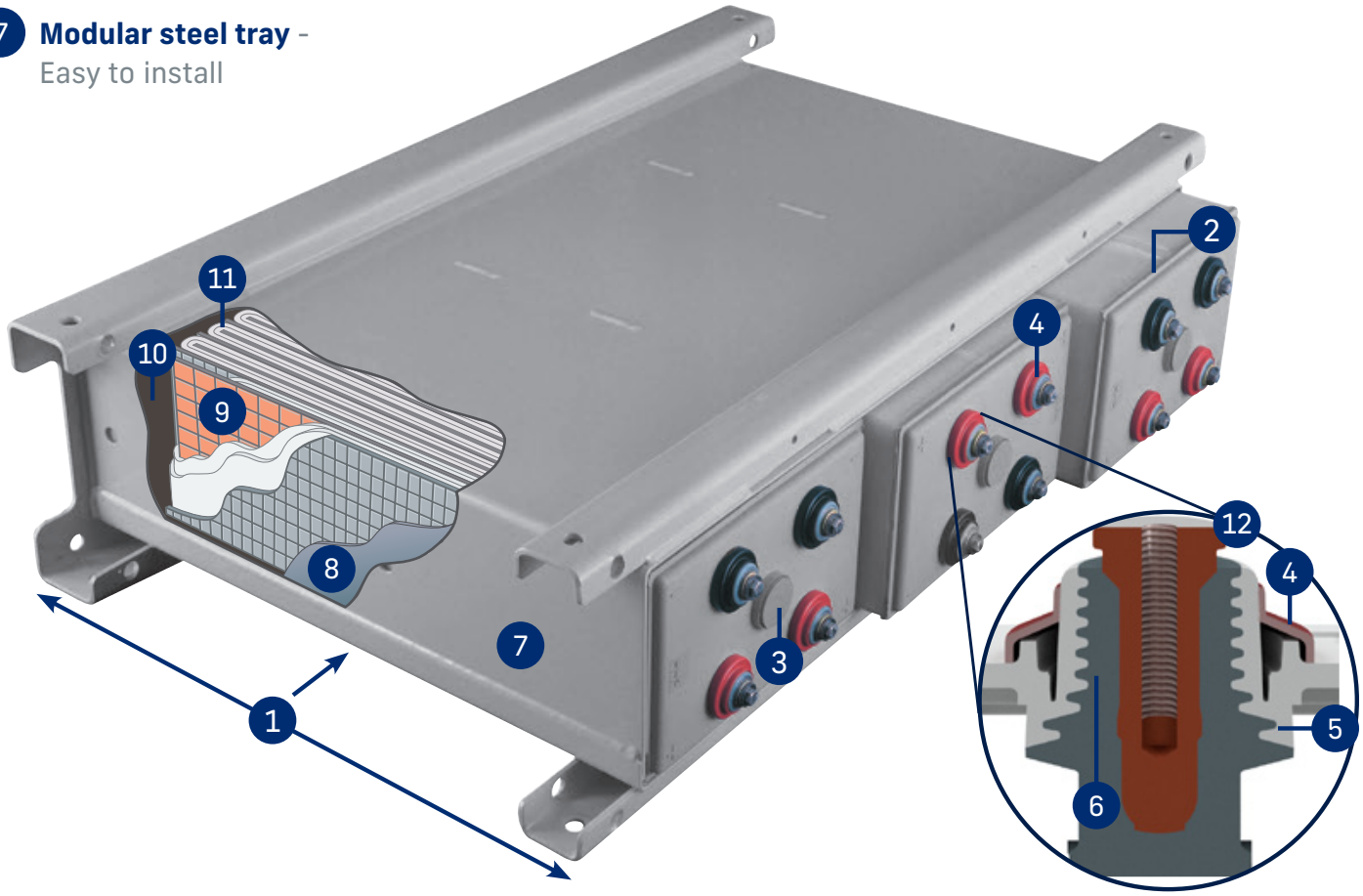
Absolyte® AGP

Stryten Energy's Absolyte AGP 2-volt valve-regulated lead-acid (VRLA) battery cells are a proven power solution for telecommunications, UPS, electric utility, railroad and renewable energy applications. Absolyte AGP cells are designed and optimized for standby float or cycling applications and are available with an ampere-hour capacity of 104-4800Ah. The Absolyte AGP provides superior float life (20 years at 25°C) and cycling capabilities (1200 cycles to 80% depth of discharge.)

THE ENERGY TO CHALLENGE

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



ABSOLYTE AGP – SUPERIOR PERFORMANCE IN EVERY WAY

Absolyte AGP is one of the world's best selling large VRLA battery brands, from an industry innovator with field-proven experience

QUALIFICATIONS

- Absolyte AGP 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

SPECIFICATIONS	
System ampere-hour range – 104 to 4800 Ah to 1.75 VPC at 8-hour rate @ 25°C (77°F).	1200 cycles to 80% DOD at 25°C (77°F)
Electrolyte – 1.310 specific gravity acid (nominal).	Operating temperature – Temperature excursions between -40°C (-40°F) to +55°C (131°F) allowed (battery performance and life will be affected).
Safety vent – 3.5 - 9 psi opening pressure, self-resealing.	Self-discharge – 0.5 to 1% per week maximum @ 25°C (77°F).
Terminals – Solid copper insert.	Float voltage – 2.23 to 2.27 VPC at 25°C (77°F)
Positive plate – Lead calcium tin grid alloy.	Container and Cover - Polypropylene Flame retardant, UL94
Negative plate – Lead calcium grid alloy.	V-0/28% L.O.I. is standard, Non-Flame retardant is optional.
20 year design life in float applications at 25°C (77°F)	

The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at ***www.stryten.com***

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