

38kV - 170kV



THE O₂RIGEN[™] ADVANTAGE

Alternative Gas	VS	O ₂ RIGEN Gas
~300 - 2,000	Global Warming Potential (GWP)	✓ ≤1
Yes	Contains PFAS Chemicals	✓ No
Yes	Gas Reclamation Required	✓ No
No (Proprietary)	Local Gas Procurement	✓ Yes

Powers the Future[™]

POWER SWITCHING DIVISION

New O₂RIGEN[™] CO₂ + O₂ Interrupting Gas

Our proven LLS[®] architecture is now available with Southern States' O₂RIGEN gas blend – a CO₂ + O₂ mixture. Engineered as an alternative to SF₆, it delivers high-voltage performance with zero environmental compromise. Fully CARB-compliant and low maintenance, O₂RIGEN ensures reliable switching while protecting personnel, equipment, and the planet. Field-proven and future-ready – this is clean technology at its origin.

FEATURES

- Eliminates greenhouse gas emissions while offering superior performance
- Compliant with CARB and other strict emissions regulations
- Free of F-gases and other non-compliant gases
- Supports ESG goals
- Low maintenance, gas system
- Ready for installation – ships prefilled for no complex reclamation required, use of readily available gas mixture



Your Trusted Industry Leader

Southern States, LLC has been a leader in high-voltage switching and protection since 1916.

With a reputation for innovation, quality, and reliability, our products support utilities and industries worldwide, delivering safe, efficient, and dependable power solutions that keep critical systems connected and operating with confidence.



Pure, Proven Technology from the Trusted Leader in Power Switching, Reliability, and Quality

Southern States' O₂RIGEN technology powers solutions that effectively reduce environmental impact while delivering superior performance. Built on more than 100 years of innovation and unparalleled engineering, Southern States' O₂RIGEN is the world's first CO₂ + O₂ Insulating Gas technology, specifically designed to eliminate harmful gas emissions and reduce the risks associated with alternative switching solutions.

APPLICATIONS & APPLICABLE PRODUCTS

Substation Modernization

- Designed to convert any manufacturer's existing disconnect switch into a full-featured load break switch
- Seismic designs available
- Shipped fully pressurized and tested, ready for installation – no on-site gas filling required

Environmental Regulations

- The LLS O₂RIGEN, customers can now achieve these benefits of zero greenhouse emissions and no regulatory burdens
- It uses readily available pre-mixed bottles and local suppliers

Sustainability

- Supports CARB initiatives, commitment to electrification, and long service life

RATINGS

<i>Voltage Rating (kV):</i>	38kV - 170kV
<i>Load Breaking Capability:</i>	2000 A
<i>Line Dropping Capability:</i>	200 A
<i>Loop Splitting Capability:</i>	2000 A
<i>Rated Operations:</i>	2000
<i>Insulator Material:</i>	Composite
<i>Ambient Temperature Range:</i>	-50° C to +50° C standard