



Innovation is in the air!

Green and digital medium-voltage technology

Unique features: AirSeT

SF6-free green and digital medium voltage switchgear technology is a leap forward for sustainability, safety and efficiency. Digital features unlock the potential of data for grid and commercial applications.

- An innovative design with multiple patents.
- Shunt Vacuum Interruption (SVI) technology with pressurized air for insulation and vacuum interruption for switching.
- Usual operation with 3-position switch: closed, disconnected, earthed.
- CompoDrive mechanism from high-tech materials and enabling plug-and-play motorization.
- Complete range: switch-disconnector, switch-fuse or vacuum CB, metering for smart grid.
- 24/7 health condition monitoring using the latest wireless sensors and digital tools.
- Digital-service-ready with seamless integration into EcoStruxure™ cloud-based IoT platform.

Benefits

- Sustainability with air and vacuum technology.
- No SF6 end-of-life treatment provides peace-of-mind and saves money too.
- Enhanced operator and public safety.
- Improved mechanical endurance.
- Easy transition with compact footprint, unchanged installation and operation.
- Reduced downtime and operational risks by real-time condition monitoring.
- Simplified renewable energy management and load control and reduced cost of ownership.

Greener. Smarter. Better.

Moving away from SF6

Sulphur hexafluoride, or SF6, is a man-made gas that has been used and trusted in the electrical industry for decades, to insulate and break electrical current. Its excellent dielectric properties enable manufacturers to build compact switchgear. However, it is the most potent greenhouse gas with Global Warming Potential of 23,500 times that of CO₂. Many governments and regulatory bodies are therefore adopting or consider adoption of new measures to limit the use of SF6 and other F-gases in support of sustainability.

No compromise on benefits

Featuring the innovative SVI, our new switchgear uses **pure air** and **vacuum** technology instead of SF6. The ingenious design allows to maintain and extend the benefits for customers: **compact physical footprint, 3-position switch** - for the first time in SF6-free switchgear, transformer protection via **fuse-switch unit** - all important considerations to avoid changes to your installations and working practices. In many grid and private customer installations fuse-switch is preferred over the vacuum circuit breakers as the latter often represent substantial overkill for transformer protection and regular maintenance of relay.

Digital feeds your decision-making

Our **Green** and **Digital** switchgear is equipped with new IoT sensing and monitoring capabilities, supported by digital tools, for increased operational efficiency and enhanced service continuity.

It's embedded with **cutting-edge** thermal and environmental wireless sensors which provide visibility into the switchgear health condition to help you plan maintenance when it is required, reducing maintenance costs and increasing uptime for your business.

Additional features such as nearby control with a smart device help you take safety to the next level.

The new switchgear is also digital service ready, enabling a seamless integration with experts and our EcoStruxure Cloud Open IoT platform. Powered by artificial Intelligence, it processes the information from the sensors and turns data into meaningful and actionable insights, empowering you to take informed decisions to keep your operations running 24/7.

Enabling modern asset management and network optimization, the new technology delivers increased levels of safety and efficiency, within a cybersecurity-compliant environment.



www.se.com/sf6-free

Life Is On

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