



ISG-SD solid-dielectric switchgear
Underground distribution solutions for healthcare

Eaton's ISG-SD solid-dielectric switchgear delivers safe and reliable power to serve critical loads

Overview

Reliable power with maximum uptime is crucial for healthcare facilities, for daily operations and also to serve critical loads. Not only must the power distribution system deliver power when and where it is needed, it must do so safely and securely. Eaton's ISG-SD solid-dielectric switchgear is designed to provide reliable, safe and secure power without detracting from the aesthetics of a modern medical campus.

ISG-SD switchgear allows healthcare facilities to move power cables and equipment underground, for more reliable performance and resiliency from the effects of weather. With a choice of padmount or indoor vault installation, switchgear cabinets are low profile and can even be installed underground for minimal impact on facilities and grounds.

Key features and benefits

- Manufactured with stainless-steel tanks and enclosures for maximum durability and reliability
- Solid-dielectric-in-air insulation technology eliminates the need for oil or gas, which means less potential impact on the environment
- No gas or oil means less components to maintain, for a virtually maintenance-free installation
- Designed with full automation capabilities, and ease of connection to digital control systems (DCS)
- Sealed tanks and enclosures prevent intrusion from wildlife and unauthorized tampering
- Designs are completely customizable to meet individual requirements and space needs
- Versatile installation options to meet any application need
 - Low-profile padmount switchgear
 - Indoor vaultmount and below grade submersible configurations
 - Designs to easily retrofit air-insulated switchgear

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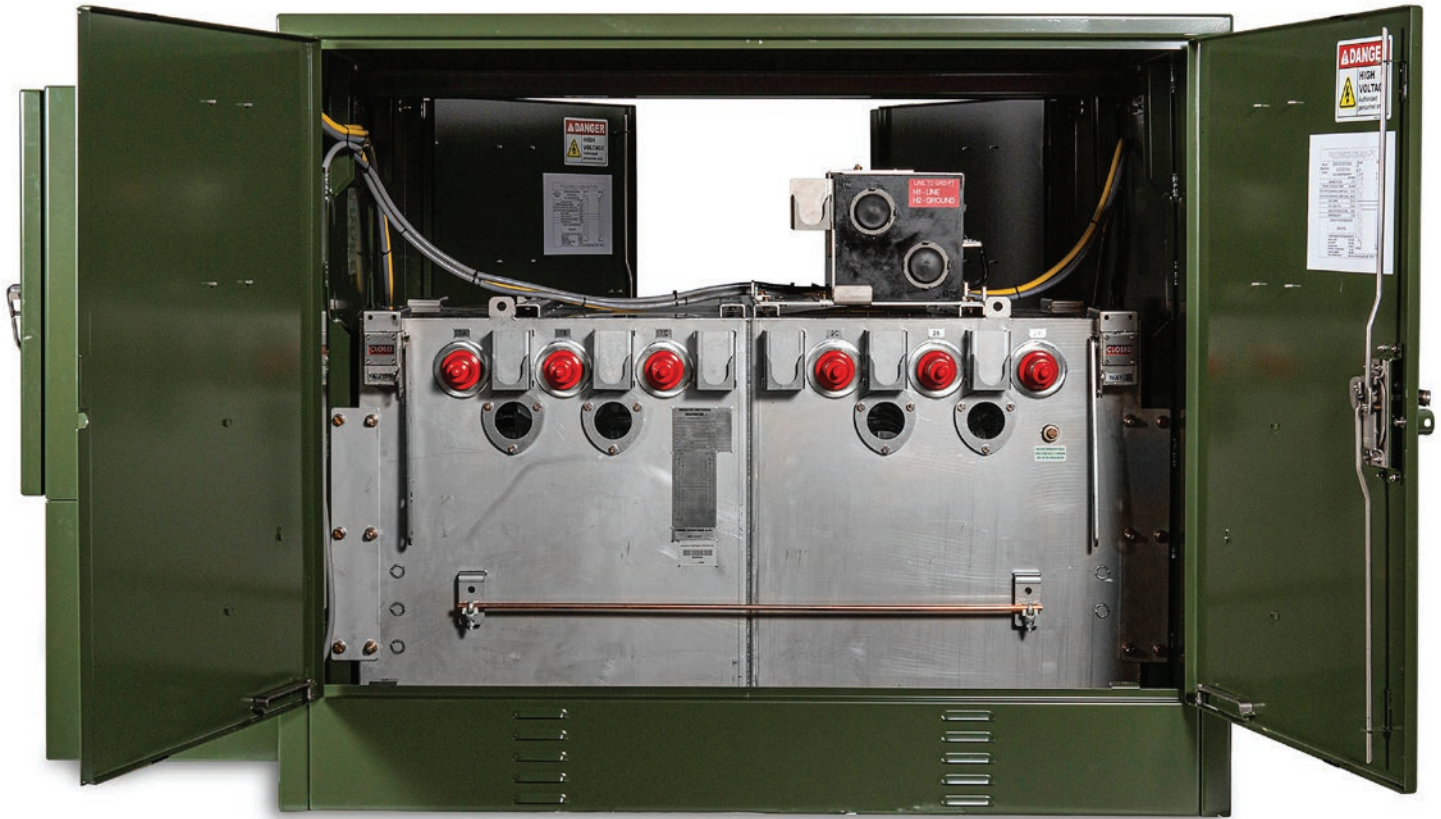
Powering Business Worldwide

It's what's inside that matters:

Innovative technology and design for superior performance and safety

Pad-mounted switchgear

- Low-profile design blends into the surroundings
- All stainless-steel enclosure for long-lasting, attractive appearance



Tamper-resistant design

Deadfront tamper-resistant design provides protection from elements



Personal and public safety

ISG-SD switchgear's solid-dielectric components are enclosed in a sealed stainless-steel tank to add a layer of protection for your personnel and the public



Solid-dielectric insulation

Proper operation not dependent on gas pressure or oil level



Sealed tank enclosure

Solid-dielectric insulation enclosed within solid tank to protect insulation from environmental elements



Durable vacuum interruption

All switching and interruption in vacuum exceeds industry standards and ensures performance for life of product



Industry trusted controls

SEL relay platform with over 30 years of proven performance



Military-grade control cabling

All control cabling secured to eliminate improper operation due to environmental conditions



Submersible control cabinets

Control cabinets sealed to prevent damage to critical control components

Submersible switchgear

- Indoor and subsurface mounting puts switchgear out of sight
- Multiple configurations increase installation placement options



Solid-dielectric technology: Sustainable by design

Traditional oil and SF₆ gas insulation mediums require monitoring and refilling, and can impact the environment. Eaton's ISG-SD solid-dielectric switchgear includes no oil and no SF₆ gas, which means less maintenance and reduced maintenance costs for an environmentally sound and sustainable solution.



Switchgear designed for your needs – now and tomorrow

Automation and digital-communication ready, ISG-SD units can be delivered with a pre-engineered and factory-tested automation package. Unsure about your automation and control needs? All units come standard with provisions for motor operators and relays for future plug-and-play upgrades as your needs change.



Building a secure power system is essential

At Eaton, security is a top priority. That's why we incorporate physical security and cybersecurity into our product designs. As leaders in the industry with our Cybersecurity Center of Excellence (CCOE), Eaton is constantly monitoring, researching and providing guidance on cybersecurity threats and best practices.



Why Eaton?

Eaton is a proven and trusted power management solutions provider, delivering a complete solutions package for the healthcare industry. Our capabilities include power distribution, backup power protection, wiring devices, lighting and controls and turnkey project management services and support. We are with you at every step of your project.

Contact your Eaton sales representative for a complimentary review of your power system and how ISG-SD solid-dielectric switchgear can optimize your power distribution system.



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For more information on Eaton's ISG-SD
solid-dielectric switchgear, visit
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