Square D QED-2 Low Voltage Switchboards

A tradition of distinction, with a mission to innovate solutions for tomorrow

Life Is On

SQUARE D™

by Schneider Electric

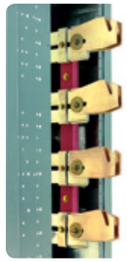
A Tradition of Distinction

Square D QED-2 Low Voltage Custom Switchboards

Square D ™ QED-2 Switchboards set the standard for system solutions of today and those of tomorrow by delivering on higher expectations and standards! Square D Switchboards have been setting the standards for electrical distribution systems due to their trusted durable construction and continuous innovative progression that keeps Square D one step ahead of all others. This progression includes integrating power metering and communications capabilities providing direct access to energy management at main and feeder level. This allows for flexibility in developing simple or complex monitoring solutions, as well as future expansion. Square D Low Voltage Custom Switchboards are designed to distribute electrical power and provide a reduced footprint without compromising performance or versatility.

A Solid Foundation

Square D Switchboard ratings offer a robust solution through 5,000 A and 200 kA. Higher feeder ampacities are available with individually mounted branch devices up to 4,000 A.



Innovative but Familiar

The Quick Connect capability allows for a simple and seamless connection when installing. Even though Square D Switchboards continue to become more innovative, the quality and familiarity of the equipment leads the industry.

Energy Reduction Maintenance

An ERMS switch helps meet the NEC 240.87 code for arc flash energy reduction, improving worker safety by modifying the trip curve. A "Maintenance Mode" switch is mounted on the switchboard.

Industry Leading Compact Footprint

Square D Switchboards were designed with the customer in mind. They provide front accessibility that aids in reducing footprint as well as provides convenient access for maintenance.

Smart Systems Communications

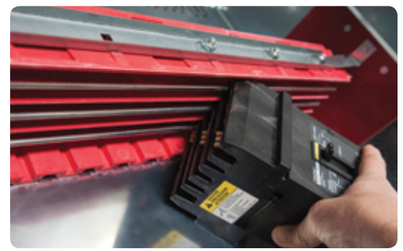
The Smart Systems solution provides Ethernet-networked metering and status data from Square D switchboards and electrical equipment. Masterpact™ and PowerPact™ circuit breakers with Micrologic™ trip units offer energy and power quality metering capabilities integrated into the trip units. Combined with Smart Systems communications, circuit breakers can be networked, monitored and controlled remotely, revealing opportunities to reduce downtime and monitor energy use for savings in electric system operating costs.

Accelerated Engineering

Meet tighter project schedules with AE Standard Switchboards. It's the faster, better way to order, and options such as the ERMS switch are added easily through Accelerated Engineering.

Designed with the Customer in Mind

Square D Switchboards allow for custom engineering for each line-up such as Main-Tie-Mains, Automatic Transfers, Commercial Multi-Metering, and reduced height configurations.



Efficient Distribution

The I-Line ™ distribution section is unique — and popular — for its enhanced safety and ease of installation.

The I-Line offers jaw-type connections which provide a firmer, more secure grip on the bus bar under high-level fault conditions for improved uptime. Distribution sections are available in single or double row construction allowing an increased power density in a compact footprint.

A Mission of Innovative Solutions

QED-2 Accelerated Engineering Standard Switchboards

To better meet our customer's tight schedules, our Square D QED-2 Standard Switchboard is available with Accelerated Engineering, which brings together standard designs for the most frequently requested ratings and options. With Accelerated Engineered Switchboards, on-demand approval drawings and an auto release of the equipment will allow you to stay competitive by simplifying the order process and offering a reduction in ship time. This means the customer will receive their switchboard 2 weeks faster. This allows for a quicker project turnaround for all parties involved, providing a competitive advantage in the industry.

Faster Project Turnaround

Accelerated Engineering Standard Switchboards offer a more responsive, faster and more flexible solution.

- > On-demand factory approval drawings
- > Auto release of Equipment to manufacturing
- > Select designs with premier 4-week lead time
- > 24/7 services support
- > Customer-focused order process
- > Customizable options available

Enclosure Options

Switchboard enclosures are available as Indoor NEMA Type 1 or Outdoor NEMA Type 3R construction.

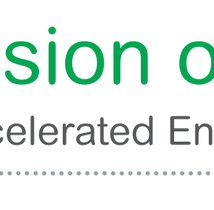
Standard Solution without the Compromise

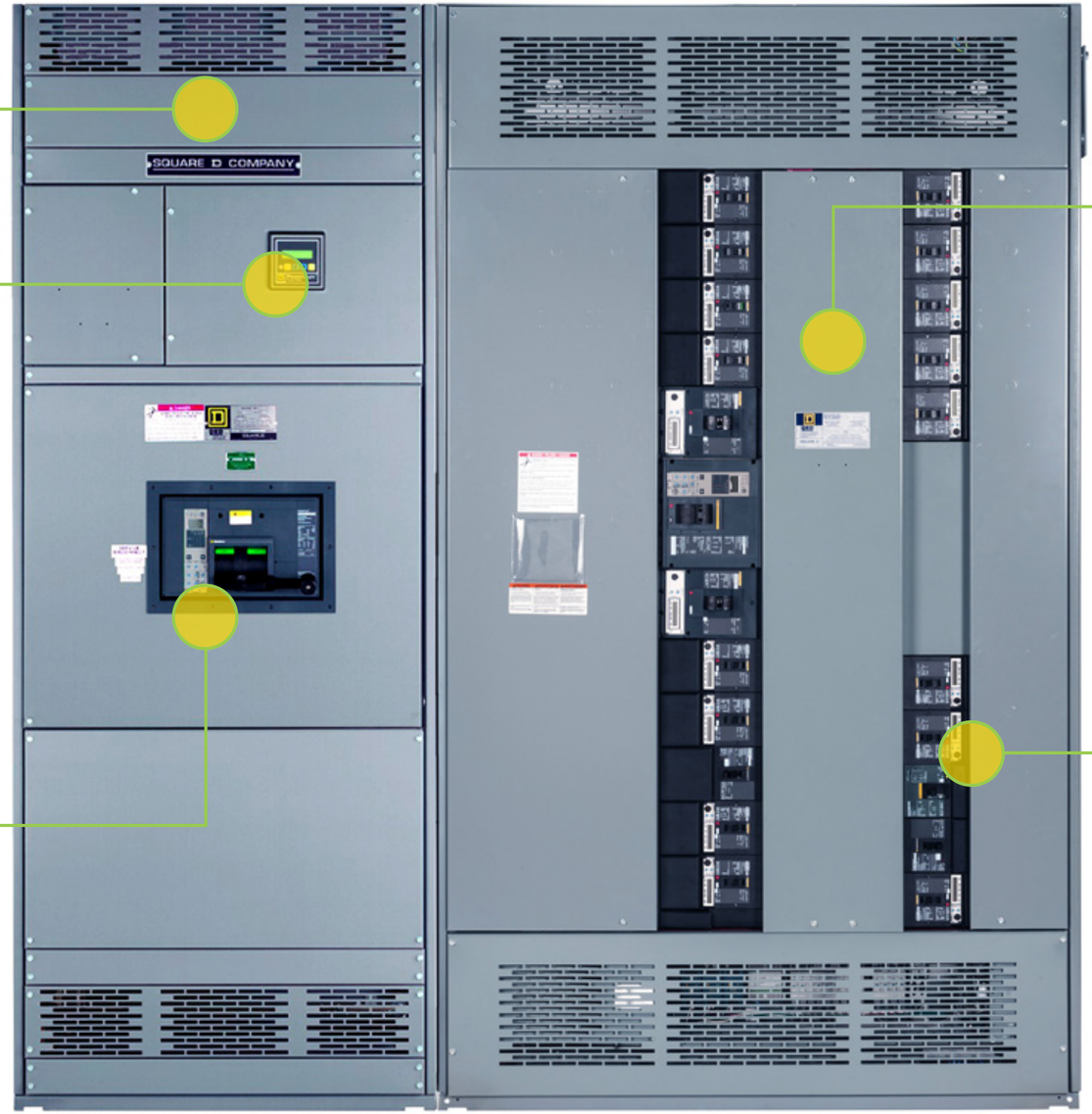
Surge Protection

Internally mounted Surgelogic™ surge protective devices in mains section or I-Line interior.

Metering Options

PowerLogic™ Power Meters are available to monitor at main or feeder level.





On-Demand Robust Solution

Accelerated Engineering Standard Switchboards provide expedited manufacturing and delivery time without sacrificing the robustness of the solution needed. The maximum rating for these standard switchboards is through 4000 A and 100 kAIC.

Unrestricted Branch Mounting*

The unique design of the I-Line single or double row distribution section allows branch circuit breakers the flexibility to mount a 15 A circuit breaker next to a 1,200 A circuit breaker. This presents the opportunity for more effective use of space.

A screwdriver is the only tool you need to install these breakers, which saves valuable installation time.

** Space for high-level communications will need to be taken into account.*

Metering Down to 15 Amps

PowerPact™ with Micrologic trip units offer the capability to meter energy down to 15 A. Standard trip units provide convenient, local data access through a high visibility front display.

Whether it is a highly customizable switchboard or an expedited switchboard needed.

Your requirements and expectations **will not only be met but exceeded** with Square D QED-2 Low Voltage Switchboards.

Introduce Quality into Your Electrical Room

1. This section supplements Section 26.24.13 10 — Low Voltage Switchboards, unless otherwise noted.

2. Comply with requirements as follows:

Standards	
UL 50	Enclosures for Electrical Equipment
UL 98	Enclosed and Deadfront Switches
UL 489	Molded Case Circuit Breakers
UL 891	Deadfront Switchboards
UL 977	Fused Power Circuit Devices
UL 943	Ground Fault Circuit Interrupters
UL 1053	Ground Fault Sensing and Relaying Equipment
NEC Article 834	Switchboards
NFPA 70	National Electrical Code ® (NEC ®)
ANSI/IEEE C12.1	Code for Electricity Metering
ANSI C39.1	Electrical Analog Indicating Instruments
ANSI C57.13	Instrument Transformers
NEMA AB 1	Molded Case Circuit Breakers and Molded Case Switches
NEMA PB 2	Switchboards

3. QED-2 Switchboard Electrical Ratings:
   a. Nominal AC System Voltage: [600 Vac] [480 Vac] [240 Vac] [208 Vac]
   b. Maximum Design Voltage: 635 Vac
   c. Maximum Short-Circuit Current: 100 kAIR (@ 635 Vac)

4. QED-2 Switchboard General Construction:
   a. Indoor NEMA 1 Enclosure or Outdoor NEMA 3R Enclosure
   b. Fixed or drawout breakers
   c. Removable Rear Cover Panels Secured with Captive Screws [Hinged Doors]

For assistance or more information:


Ask your authorized Schneider Electric Distributor


Call at 888-SQUARED (888-778-2733)


Visit schneider-electric.us/switchboards

Schneider Electric USA

800 Federal Street
Andover, MA 01810
Tel: (978) 794-0800
www.schneider-electric.com/us

Document Number 2742BR1401, Rev. Oct. 2016

October 2014