

Pow-R-Line Xpert
Integrated Facility Systems switchboard

**Simplify power distribution.
Reduce labor costs. Save space.**



EATON
Powering Business Worldwide

Pow-R-Line Xpert

Integrated Facility Systems switchboard



Eaton's Pow-R-Line Xpert™ Integrated Facility Systems™ (IFS) switchboards integrate traditionally separate electrical distribution and control equipment into a single space-saving, factory-assembled and connected power system. The results maximize application flexibility, simplify construction, minimize footprint and reduce costs.

As an alternative to loose equipment power room installations, IFS switchboards offer:

- Reduced space required for power equipment
- Significantly decreased installation time
- Lower overall installed equipment costs

IFS switchboards are ideal for:

- Retail chain stores
- Commercial offices
- High rise buildings
- Correctional facilities
- Agricultural facilities
- Industrial facilities
- Hospitals/healthcare facilities
- Educational facilities



IFS switchboard applications

Features and benefits

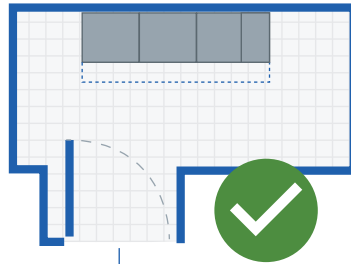
Minimize equipment space

Reduce the footprint required for electrical distribution equipment by as much as 50% with Eaton's IFS compact design and space-saving installation. By dramatically reducing the equipment space, valuable income-generating square footage is gained.

Conventional design



Eaton's Pow-R-Line Xpert Integrated Facility Systems (IFS) switchboard



Lower costs

Consolidate traditional stand-alone equipment into a single package to simplify delivery, reduce equipment costs and maximize savings.

- Service entrance equipment
- Panelboards
- Dry-type transformers (15–300 kVA)
- Metering
- Lighting control system
- Integral EV charging
- Contactors
- Surge protective devices
- Automatic transfer switches
- Uninterrupted power supplies
- Building management systems
- Customer-specified equipment

A pre-wired, customized unit eliminates the cost of lengthy installations. Built to meet or exceed industry standards, providing reliable service and optimal performance for any specified application. Eaton's IFS switchboard solution has the ability to control lighting and HVAC systems as well as complete enterprise-wide monitoring to reduce energy consumption and costs.

Depending upon the application, other user-defined equipment may also be incorporated.

The entire assembly is shipped at one time to reduce transactions and invoicing.

Enhance flexibility

Simplify projects with the utmost in application flexibility.

- Built to meet or exceed industry standards, providing reliable service and optimal performance for any specified application
- Permits control of all lighting, HVAC and alarm systems with a single on/off switch as well as complete enterprise-wide monitoring
- Integrate AC level 2 EV chargers into an IFS structure—up to 18 smart breaker chargers per vertical structure
- Eaton's dedicated service network provides unbeatable global support with highly trained, knowledgeable engineers



Simplify construction

Substantially reduce timely coordination and installation of the electrical system, risks associated with installation and job costs.

- Reduce on-site coordination and labor
- Expedite project timelines with a single, coordinated shipment
- Reduce installation time and costs with the reduction or elimination of interconnecting conduit, fittings and wire

Standards and certifications

- A true UL® Listed 891 switchboard
 - Powder coat paint finish
 - Laser cut, recessed trims
 - Interconnecting bus and cable
 - Front accessible, 90 inches high
 - “Well-labeled” for contractor installation
- Meets NEMA® standard PB-2 and UL 891
- Panelboards mounted inside the sections meet NEMA standard PB-1 and UL 67
- Integration of Pow-R-Command™ lighting controls into IFS switchboards helps meet the increasing energy code mandates at the federal, state and local levels

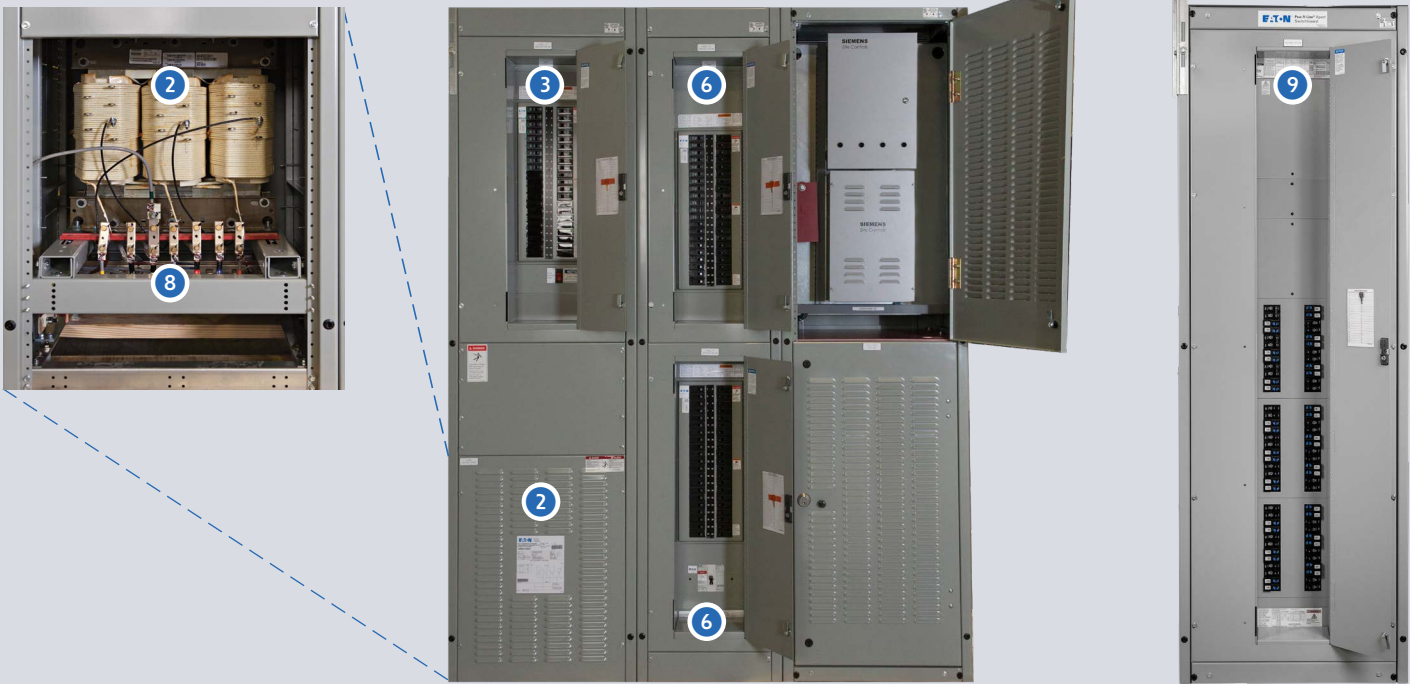
Examples of requirements:

- Additional controls
- Multiple light levels
- New and expanded applications
- Mandatory sub-metering, demand response capabilities



Whether the application is a multi-site prototype or a single application, Eaton's IFS switchboards provide time and space-saving features.



Pow-R-Line Xpert IFS switchboard configurations



- 1 High-voltage panelboard
- 2 Integrated dry-type transformer
- 3 Low-voltage Pow-R-Command (PRC) smart breaker panelboard
- 4 Time clock for controlling PRC breakers
- 5 Service entrance panelboard
- 6 Standard panelboard
- 7 High-voltage chassis
- 8 Pre-wired color-coded cables
- 9 EV charging panelboard

Eaton IFS switchboard manufacturing locations



-  Main manufacturing plant location
-  Satellite location

To learn more, visit Eaton.com/IFS

Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
 Eaton.com

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