SQUARE D INTEGRATED EQUIPMENT

Save time, space, and money

SQUARE D
by Schneider Electric

Square D™ by Schneider Electric™ Integrated Equipment installs 80 – 90% faster than traditional stick-built electrical equipment so you can move on to your next job faster! Plus, with the ability to stack panelboards, transformers, and even building controls in one single enclosure, you can save your customers up to 40% in wall space. Prewired, with panels and transformers factory mounted, assembled, and cabled in one enclosure, integrated equipment installation can take hours instead of days.

Estimated labor hours:

Stick-built: 26 – 32

Integrated equipment: **3 - 6**

Number of pieces handled:

Stick-built: 20 – 21

Integrated equipment: **1**

Materials saved:

Stick-built: Associated pipe, wire, and fittings

Integrated equipment: **n/a**

See How Dan the Man Saves Time with Square D Integrated Equipment.

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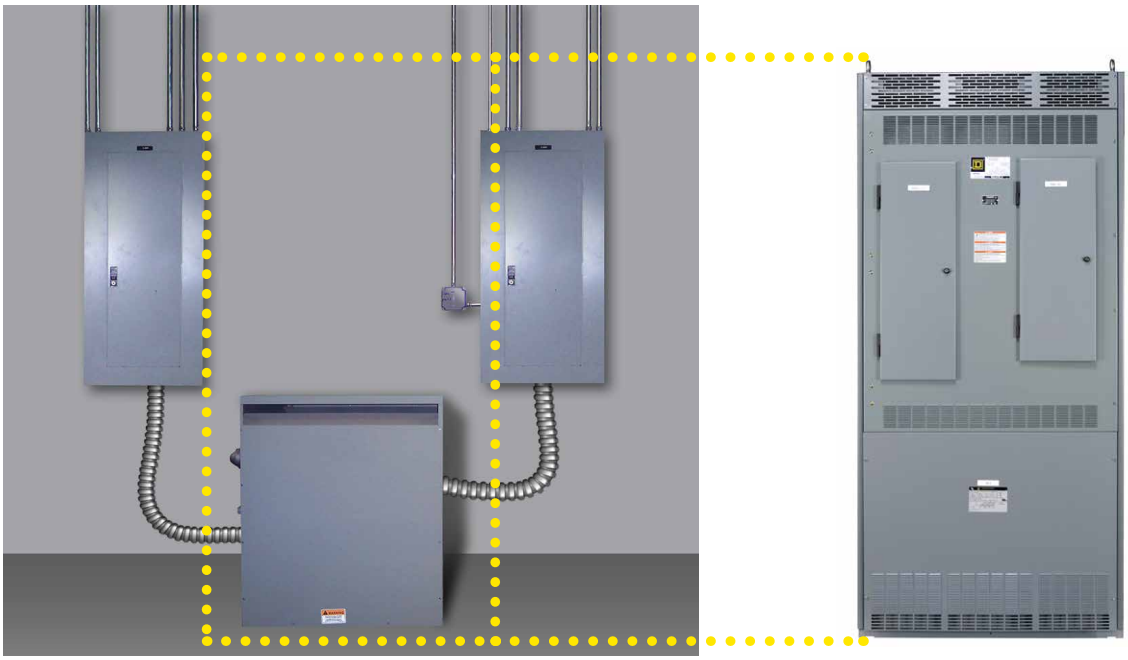
Simple, clean enclosure design

Hear how Integrated Equipment saved time in a real-life project!

See the difference!

Footprint comparison:



Stick-built

Integrated Equipment

This integrated approach also means less conduit, fittings, and feeder cables, which dramatically improves on-site labor time and material costs. Every unit is factory inspected and tested, then packaged and shipped as a single unit. Eliminate hidden on-site costs such as forgotten fittings and wire. A simpler installation even for less-experienced technicians, Integrated Equipment means faster project completion and less job-site call backs due to issues.

$$

Lower materials costs

Integrated Power Center

Integrated Power Centers (IPCs) combine electrical distribution equipment and building management controls into a single, factory-assembled and prewired integrated system. Enjoy faster installation and reduced space requirements with an IPC that replaces the traditional method of independently mounting each panelboard, lighting control, and building management system.

Meets applicable codes and standards

– NEC requirements for circuit breaker handle height

– NEC requirements for wire space

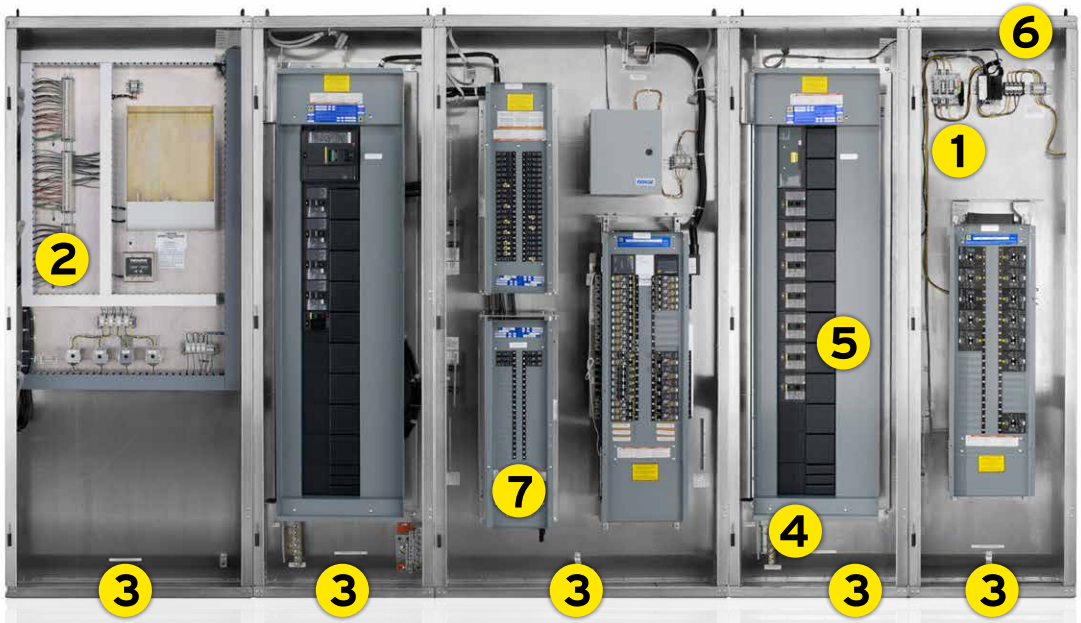
– UL 891 Deadfront Switchboards

– UL 508 Industrial Control Systems

- IPC sections are assembled together at the factory, reducing labor and installation time at the job site
- Close coupling sections eliminate the need for interconnecting conduits, box connectors, and shortens feeder cable runs
- Three large rectangular openings are provided between sections, allowing you to quickly and easily route cables from one shipping split to another
- IPC enclosures are 10.25 in. deep, providing ample space for installing branch conductors at the job site
- Up to 65 kA Short Circuit Current Rating (SCCR); fully tested system at 480 Y/277 V

80 – 90%

faster installation time



1 Power meter module
Offers a variety of cost-effective, pre-installed metering options including: main power monitoring, branch circuit monitoring, and revenue grade tenant sub-metering.

2 Control screens, multiple options available
Energy management system (shown), additional options available including prewired lighting contactors that reduce installation cycle time.

3 Bottom box cutouts
Cutouts in the bottom endwall of each section permit conduit to be stubbed up into the bottom of the enclosure, eliminating the need to cut conduit openings at the job site, saving installation time and labor costs.

4 Ground cable
Factory-installed ground cable terminations are provided to comply with the UL 891 standard.

5 Feeder breakers
Feeder breakers in the power panel can be factory wired to the main breaker or main lugs of each lighting panelboard interior in the line-up, reducing labor and material cost.

6 Control wiring
Control wiring required for metering applications, energy management, or ground fault systems can be factory installed and tested, reducing labor and installation time at the job site.

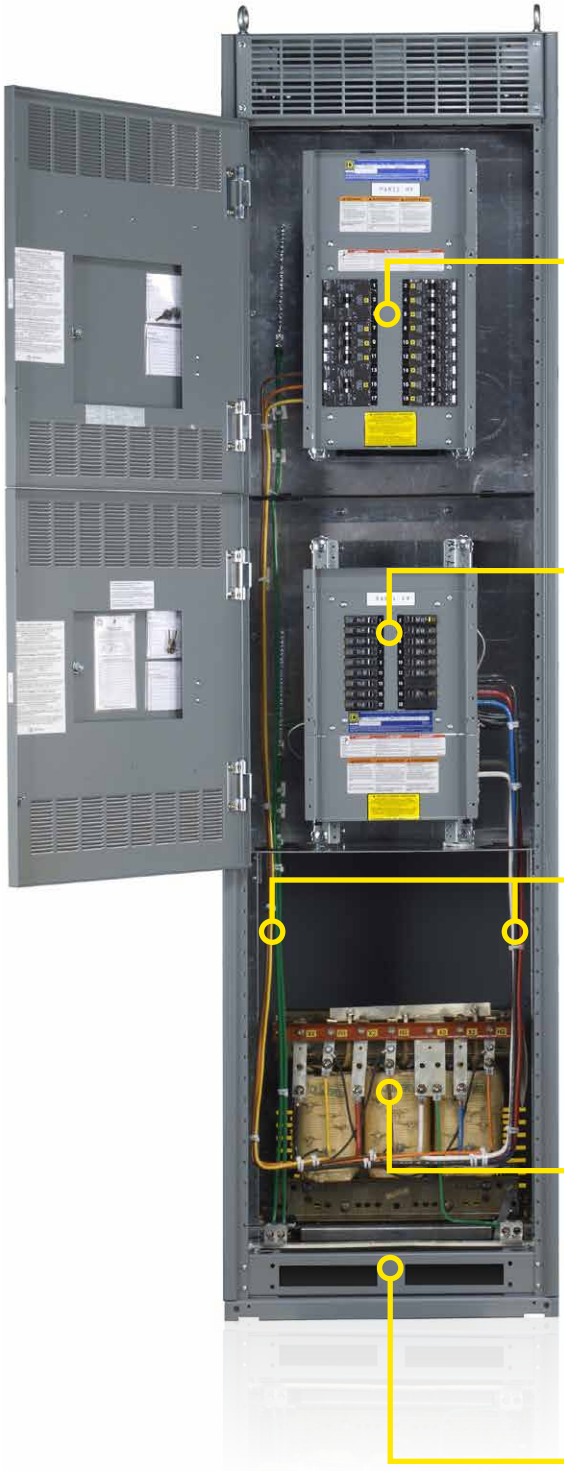
7 Lug terminations and cables
All lug terminations and cables are marked to indicate phase connections material cost.

Integrated Power Center 2

The Integrated Power Center 2 (IPC2) is a family of Square D products that includes free-standing front- and rear-aligned equipment available in multiple enclosure options. Configurable based on your customer's specific requirements, IPC2 solutions provide options for multiple applications including retail, commercial, healthcare, education, and industrial. Electrical distribution equipment and building controls are factory installed and prewired saving valuable material handling and installation time at the job site. Close coupling between sections eliminates additional material, including wire, conduit, and fittings. Because components are stacked, there is a reduced amount of floor and wall space required.

- Prewired, factory assembled for faster installation
- "Panels over Panels" configurations
- "Panels over Transformer" configurations
- Integrated automatic transfer switches
- Freestanding construction that can be close-coupled to QED switchboards
- Front- and rear-aligned sections, available in multiple widths
- Available in NEMA 1, NEMA 1 with driphood, and NEMA 3R construction
- Powerlink™ lighting control solutions
- PowerLogic™ power monitoring and control
- Hinged panelboard wire gutter access door
- Factory-installed power cables
- Top and bottom conduit entry/exit space available
- Available as a stand-alone solution or can be close-coupled to Square D:
  - IPC2
  - IPC
  - Modular Panelboard System (MPS)
  - QED Switchboards

+ Earn LEED points



NF Panel
Proven reliability, optional configurations available include up to 800 A at 600Y/347 Vac. Sub-feed circuit breakers, copper neutrals and grounds.

NQ Panel
Lighting panelboard with 240 Vac maximum rating. Accepts both QO plug-on and QOB bolt-on circuit breakers.

Feeders
Prewired feeders included when selected. Feeders between shipping splits will be rolled back for shipment to be terminated during installation.

Energy-Efficient Transformer
Low temperature rise for energy savings and longer life.

Ground Bus
Rated for up to 2,000 A systems, through-bus for entire lineup when multiple IPC2 sections of same depth are used.

Modular Panelboard System

The Square D Modular Panelboard System (MPS) bundles electrical distribution equipment into a single factory-assembled and wired integrated system. Save valuable installation time and use less space with MPS instead of independently mounting each panelboard and lighting control system.

Meets applicable codes and standards

– NEC requirements for circuit breaker handle height

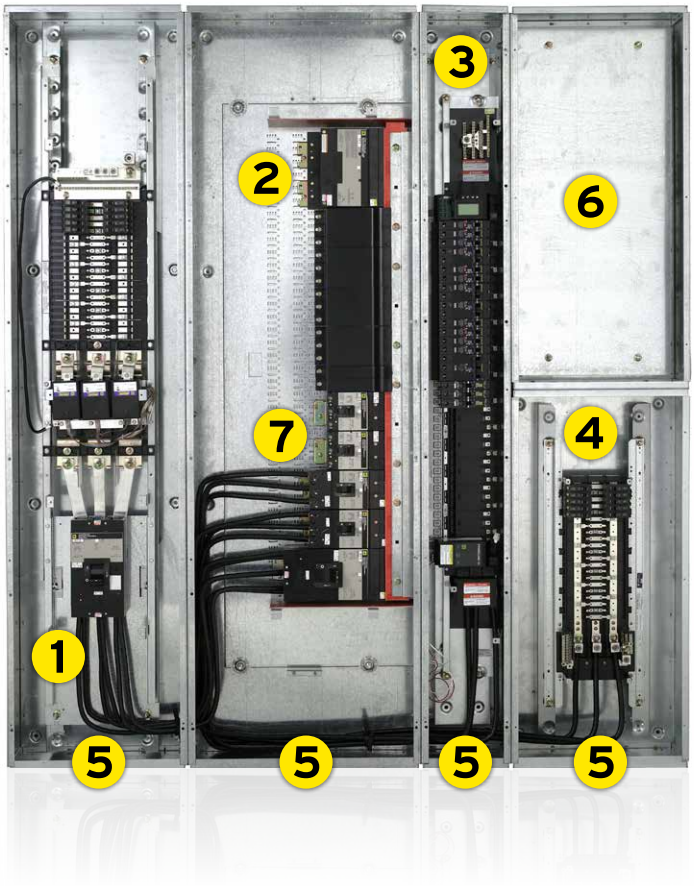
– NEC requirements for wire space

– UL 67 – Panelboards

– UL 50 – Enclosures for Electrical Equipment

- MPS sections can be bolted together at the factory, reducing labor and installation time at the job site
- Close coupling panels eliminate the need for interconnecting conduits, box connectors, and shorten feeder cable runs
- Large 4 in. knockouts with edge guards are provided between sections, allowing you to quickly and easily route cables from one shipping split to another
- Lighting and appliance panelboard enclosure depth has increased from 5¾ in. to 9½ in. to provide additional space for installing branch conductors
- Panelboard interiors can be configured three ways: stacked, column width, or full height to optimize wall space

40%
electrical room space savings



1 NQ 400 A main breaker with integral surge protection
Broad panelboard offering with configurations suitable for most applications.

2 Single-row I-Line
An 800 A max interior that is only 26 in. wide saves valuable space. Double-row I-Line also available.

3 NF and NQOB column width interiors
Lighting panelboard interiors are available in a 10 in. wide section, which saves wall and floor space. NF Powerlink lighting control systems are also available in this construction.

4 NF or NQ lighting panels
Select panelboard interiors can be stacked to save wall and floor space.

5 Bottom box cutouts
Cutouts in the bottom endwall of each section permit conduit to be stubbed up inside the enclosure, eliminating the need to cut conduit openings, saving installation time.

6 Equipment space
Space where lighting contactors can be factory installed and prewired, reducing labor and significantly reducing installation time.

7 Feeder breakers in the power panel
Feeder breakers can be factory wired to each lighting panelboard in the lineup, reducing labor and material cost.

View this brochure online!

For more information on
Square D Integrated Equipment email:
powersolutions@schneider-electric.com

Schneider Electric USA

1751 South 4800 West
Salt Lake City, UT 84104
Tel: 801-977-9009
Fax: 801-977-0200
www.schneider-electric.com/us

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