

Designed to meet the modern needs of electricians and contractors



Featuring PRL 1a and 2a 600 A panelboards

Eaton's Pow-R-Line™ panelboard family—the broadest in the industry—is consistently expanded to benefit the electricians and contractors who support today's commercial and industrial facilities. Now, this family has been enhanced with 600 A lighting and branch appliance panelboards.

Building on the proven design of the Pow-R-Line 1a and 2a panelboards, our engineers worked closely with the industry to provide the features you need to better support your customer base.



Powering Business Worldwide

Custom assembly for rapid customization

Each Eaton panelboard is individually assembled and tested by highly skilled technicians. Rugged construction prevents flexing to help prevent damage during shipment or after installation. Our dedicated approach means customer configurations, and a wide range of options and modifications can easily be incorporated for quicker shipment of both standard and special panelboards.

Features and benefits

- **Unique deadfront bracket design**—Reinforced deadfront bracket provides structural integrity and reduces the potential for accidental damage during shipment and at job sites
- **A safer chassis**—All chassis parts are painted to smooth edges and corners, reducing the potential danger of sharp edges for contractors during installation
- **Laser cut trims**—Panelboard trims are laser cut to eliminate sharp edges and burs, and to provide a consistently accurate fit
- **Quadrive screws**—For easier installation, Quadrive screws allow installers to use preferred installation tools
- **Reduced installation time**—Deadfront cover is held in place with just four Quadrive screws for easier access to wireways and reduced installation time
- **Bright insulation**—White branch breaker insulation reflects more light and facilitates installation in dimly lit work areas
- **Industry compliance**—UL® 67 and UL 50 listed meets all application requirements of NEMA®, NEC® and federal specification WP-115c. The Canadian CSA® label is available upon request
- **Seismic qualification**—Tested and qualified to meet the requirements of the International Building Code (IBC), the California Building Code (CBC) and California Office of Statewide Health Planning and Development (OSHPD)



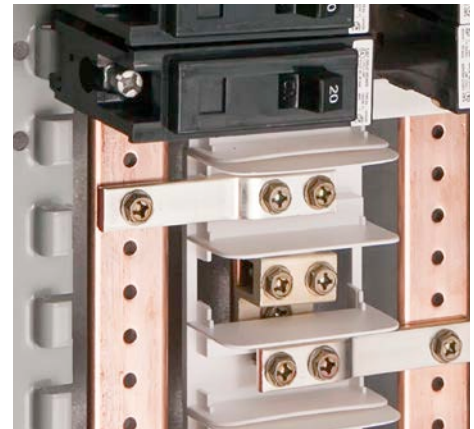
Featuring installed Pow-R-Line 1a and 2a 600 A panelboards



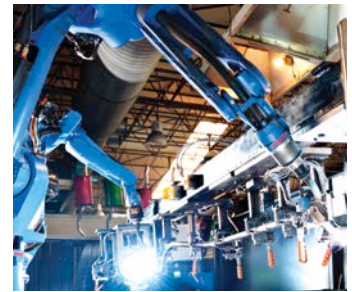
Unique deadfront bracket design



Laser cut trims



Bright insulation



Eaton's EZ Box™ and EZ Trim™ — a revolutionized panelboard design

- Virtually eliminates sharp edges
- Trim installs in seconds rather than minutes
- Door-in-door standard
- Ability to adjust flush applications to wall irregularities
- Trim installs without the need for tools
- No exposed hardware (because there is none)
- Robust locks and latches to secure the trim

NEMA enclosure options

A variety of NEMA® enclosures are available as options: NEMA Type 2, 3R, 4, 4X and 12. Optional 28-inch-wide boxes are available for applications that require additional gutter space for cable bending.

Dimensions in inches (mm)

Heights

- 36 (914.4)
- 42 (1066.8)
- 48 (1219.2)
- 60 (1524.0)
- 72 (1828.8)
- 90 (2286.0)

Widths ①

- 20 (508.0) standard
- 28 (711.2) optional

Depth

- 5.75 (146.1) ①

① Dimensions for NEMA Type 1 enclosure. For dimensions of optional NEMA enclosure, contact your Eaton distributor or sales engineer.

Factory-installed modifications and accessories

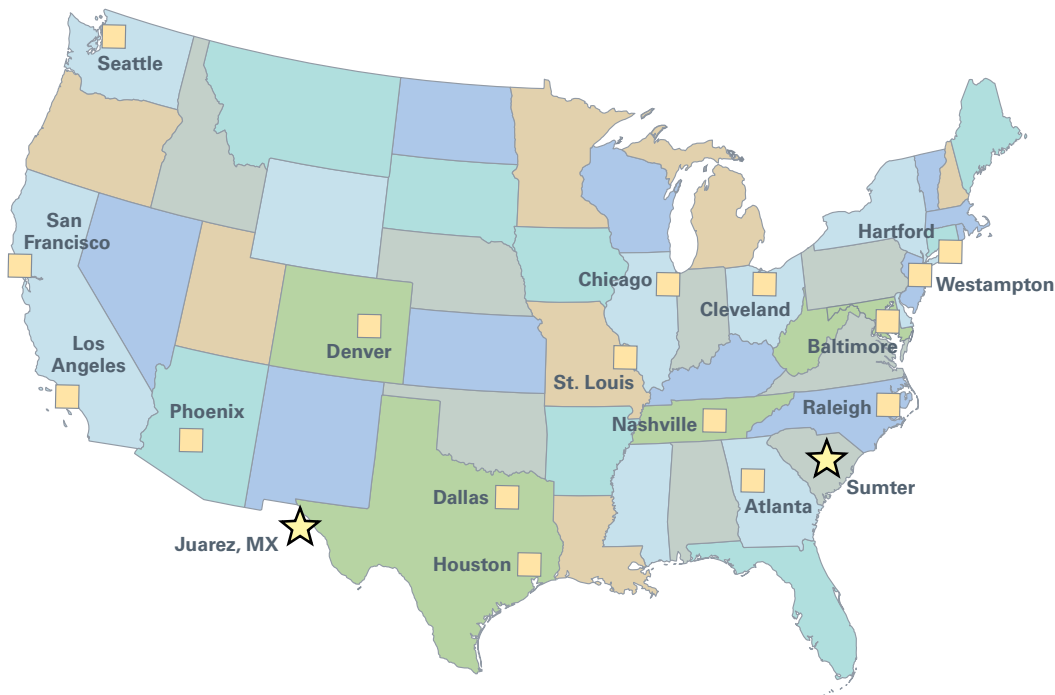
Because each Pow-R-Line 1a and 2a panelboard is assembled by an experienced technician, we can easily and efficiently incorporate any combination of modifications and accessories, including:

- Breaker lock-off devices
- Compression type lugs (mains only)
- Ground fault breakers
- Arc fault breakers
- Increased dimensions
- Trim to fix existing boxes
- Main breakers with solid-state trip units
- Permanent circuit numbering
- Service entrance
- Special doors and locks
- Sub-feed and through-feed lugs
- Surge protection devices

Note: Contact your local Eaton distributor or sales engineer for additional information on these and other modifications and accessories.

Pow-R-Line 1a and 2a specifications

Description	Rating
Pow-R-Line 1a ratings	
Voltage	240 Vac maximum
Main breaker	100–600 A
Main lug	100–600 A
Maximum kAIC	10–22 kA fully rated 22–200 kA series rated
Branch circuit breaker	15–100 A
Branch breaker connector	140 A
Branch circuit breaker types	BA (BAB, BAB-H), QBH (QBHW, QBHW-H), QBGFT, QBGFEP, QBHGFT, QBHGFEF, HQP, QPHW, QHPX, QPGF, QPHGF, QPGEP, QPHGFEP, BABR, QBAF, QBAG, QBHAF, QBACAF and QBHCAF
Pow-R-Line 2a ratings	
Voltage	240 Vac, 480Y/277 Vac and 125/250 Vdc maximum
Main breaker	100–600 A
Main lug	100–600 A
Maximum kAIC	240 Vac: 65 kA fully rated 65–200 kA series rated 480Y/277 Vac: 14 kA fully rated 22–150 kA series rated 125/250 Vdc: 10–14 kA fully rated
Branch circuit breaker	15–100 A
Branch breaker connector	140 A
Branch circuit breaker types	GB, GHB, GHBGFEP, GHBS, HGHB, GO, GHO, GHQRS and GHQRS



Eaton Pow-R-Line panelboards and switchboards are built to your requirements at our world-class manufacturing plants in Sumter, SC and Juarez, MX. In addition, Eaton has 16 regional Satellite facilities located across the country to meet your panelboard and switchboard service needs.

For an unparalleled commitment to your specific needs, please visit your local Satellite facility.

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