The Pow-R-Line Xpert family
Built at the intersection of experience and intelligence

What do you get when you combine over 90 years of experience with industry-first power innovations? The most advanced, most intelligent lineup of panelboards and switchboards in history. Built on a foundation of excellence, the feature-rich Pow-R-Line Xpert® family with Eaton’s new Power Defense™ circuit breakers includes built-in communications, energy metering and breaker health diagnostics for safer, more reliable systems.

Features and benefits

- **PREDICTIVE**
  - Breaker health diagnostics
  - Monitors and communicates breaker health status, enabling predictive maintenance to avoid costly, unscheduled downtime

- **CLEAR VISION**
  - Re-engineered deadfront covers
  - Offers full visibility to breaker faceplate as well as accessibility to trip units without having to remove deadfront cover

- **PREPARED**
  - Standardizing Arcflash Reduction Maintenance System™ (ARMS) functionality
  - Enhanced and consistent functionality of industry-leading solution to reduce arc flash energy released during maintenance operations

- **CONNECTED**
  - Embedded communications
  - Helps to reduce cost by eliminating the need for separate communication components and associated wiring

- **ADAPTABLE**
  - Thru-cover accessories
  - Easily removable secondary covers designed to install a wide range of accessories in field without voiding factory warranty

- **EFFICIENT**
  - PXPM testing and configuration
  - PXR trip units equipped with micro-USB connection for secondary injection testing through your PC, saving you labor hours and the cost of expensive test kits

- **INSIGHTFUL**
  - Integrated metering capabilities
  - Simplifies installation by current and voltage metering internal to trip unit with no need for external modules
### Pow-R-Line Xpert family classification

#### PRL1X
- **Maximum voltage**: 240 Vac
- **Maximum amperage**:
  - 600 A main
  - 100 A branch
  - 400 A subfeed
- **Product type**: Panelboard
- **Standard provisions**:
  - Yes—specified by number of circuits
- **Features**:
  - Power Defense molded case circuit breakers
  - EZ™ Box and EZ™ Trim standard
  - Surge options are available up to 200 kA
  - Chassis accepts miniature circuit breaker types BAB and QB
  - Integral customer metering options are available

**The bottom line:** The PRL1X is designed for 240 Vac and below lighting and appliance applications.

#### PRL2X
- **Maximum voltage**:
  - 480Y/277 Vac
  - 125/250 Vac 3 W
- **Maximum amperage**:
  - 600 A main
  - 100 A branch
  - 400 A subfeed
- **Product type**: Panelboard
- **Standard provisions**:
  - Yes—specified by number of circuits
- **Features**:
  - Power Defense molded case circuit breakers
  - EZ™ Box and EZ™ Trim standard
  - Surge options are available up to 200 kA
  - Chassis accepts miniature circuit breaker types BAB and QB
  - Integral customer metering options are available

**The bottom line:** The PRL2X is designed for low AIC 480Y/277 Vac, lighting and appliance applications or high AIC 120/208 Vac applications.

#### PRL3X
- **Maximum voltage**: 600 Vac
- **Maximum amperage**:
  - 600 A main, 800 A MLO
  - 225 A branch
  - 400 A subfeed
- **Product type**: Panelboard
- **Features**:
  - Standard chassis accepts Power Defense molded case circuit breakers
  - Can include 1X or 2X sub-chassis for miniature circuit breakers
  - BX type can, DFC only standard
  - Surge options are available up to 200 kA
  - Integral customer metering options are available

**The bottom line:** The PRL3X is a hybrid lighting and power panel for lighting/appliance and small power distribution and motor applications.

#### PRL4X
- **Maximum voltage**: 600 Vac
- **Maximum amperage**:
  - 1200 A main
  - 1200 A branch
- **Product type**: Panelboard
- **Features**:
  - Standard chassis accepts Power Defense molded case circuit breakers
  - Can include 1X or 2X sub-chassis for miniature circuit breakers
  - BX type can, DFC only standard
  - Complete line of Power Xpert metering options are available
  - GFCI on the main circuit breaker is available
  - Surge options are available up to 400 kA with integral breaker

**The bottom line:** The PRL4X is designed for 1200 A and below, service entrance, power distribution and motor applications.

#### PRLX
- **Maximum voltage**: 600 Vac
- **Maximum amperage**:
  - 600 A main bus
- **Product type**: Switchboard
- **Features**:
  - Includes Power Defense molded case circuit breakers
  - Front or rear accessible
  - Utility metering provisions available
  - Complete line of Power Xpert metering options are available
  - Surge options are available up to 400 kA with integral breaker
  - 65 kAIC standard bus bracing; optional 100 or 200 kAIC

**The bottom line:** The PRLX combines a space-saving design with modular construction and increased systems ratings.

#### PRLXD
- **Maximum voltage**: 480 Vac
- **Maximum amperage**:
  - 2000–6000 A rated bus
- **Standard provisions**:
  - No—must be manually added
- **Product type**: Switchboard
- **Features**:
  - Can accommodate the following in a single UL 891 assembly:
    - 400–4000 A drawout insulated case circuit breakers
    - 70–600 A drawout molded case circuit breakers
    - 20–1200 A fixed group-mounted molded case circuit breakers
  - Includes Eaton’s Power Defense circuit breaker offering

**The bottom line:** The PRLXD is a reliable solution that integrates both drawout insulated case and molded case circuit breakers into a single UL 891 assembly.