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Coming Soon!

Introducing Eaton's BR & CH plug-on neutral portfolio

Eaton's BR and CH plug-on neutral (PON) portfolio is the latest step in the evolution of Eaton's line of residential loadcenters and circuit breakers. Redesigned with customer feedback in mind, the plug-on neutral loadcenter and breaker offering is built to improve the safety and ease of installation, while reducing installation time and offering a more professional look and feel.

Scope of new offering

The scope of the PON offering includes both BR and CH single-phase loadcenters, 12 spaces and above, in NEMA 1 indoor and NEMA 3R outdoor types. PON will become Eaton's new standard offering for all loadcenters within this scope.

The old style loadcenters will be obsoleted once inventory in the warehouse is depleted. This includes the existing style CH PON loadcenters & breakers as well as BR Quick Connect loadcenters & breakers. Just to provide an idea of the size of this new offering, there are over 350 new catalog numbers for loadcenters, covers, electronic circuit breakers, and accessories.



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BR and CH plug-on neutral (PON) features and benefits

QUICK

Shared features across the BR and CH PON offerings:

Q Plug-on neutral:

- E Eliminates the pigtail connection providing time and labor savings
- C Provides a professional installation

E Optimized Knockouts:

- Optimized knockout locations for additional access
- Easier to remove

Q Inboard Neutral:

- E Increases gutter space to allow for professional installation of conductors

Q Drywall offset: (on both sides of the can):

- E Self-leveling tabs allow for quick drywall offset

C Smooth case edges:

- Providing a more professional look and feel

E 2/0 Lug:

- Easily removable and can be installed in any location on the neutral bar

Q Grounding screw:

- E Grounding screw replaces Z-strap to provide a quick and easy means of bonding the neutral and ground

Common drive types:

- Q Minimizes number of tools required for installation as the neutral bar and breaker screws will share a common drive type

EASY



Image above represents the BR PON offering

CLEAN

Features specific to BR PON offering:

Q BR short-body PON breakers:

- E Short-body configuration maximizes gutter space providing ease of installation of the conductors
- C Reduced clutter of pigtails provides a clean gutter space
- Quick and clean installation, along with a consistent form and fit

Q Backed out neutral screws:

- Allows for quick connection of neutral and ground conductors

10 year warranty on BR loadcenters and circuit breakers

Features specific to CH PON offering:

C One piece silver flashed copper bus:

- Provides superior conductivity, corrosion resistance, and durability

C Unique sandalwood finish:

- Aesthetically appealing, scratch-resistant powder coating

E Full length neutral bars

- Offers additional terminations to land the neutral and ground conductors

E CHF AFCI/GFCI/Thermal magnetic breakers:

- Mechanical flag for trip indication (on thermal mag, AFCI & GFCI)
- All CH breakers provide a 2 position handle with simple 1 step reset

E Separately packaged covers for the CH loadcenters:

- Help protect from shipping damage

Limited lifetime warranty on all CH loadcenters and circuit breakers (including electronic breakers)

Cover features:

E Improved twist-outs:

- Easier to remove twistouts

C Embossed circuit numbers:

- Durable circuit numbering with added marking for twin breakers

E Keyhole hanging feature:

- Ease of cover installation

C Rigid cover spine:

- Provides strength when twistouts are removed



Features & benefits

The enhancements made to the plug-on neutral offering help ensure a quick, easy, and clean installation. Every new feature integrated into the redesign addresses one or more of these three benefits – quick, easy, and clean. Some of the new features include:

- Short-body redesign of BR electronic breakers to optimize gutter space and save time with easier, more succinct installation
- LED diagnostic standard on BR electronic breakers for faster troubleshooting
- Inboard neutral to increase gutter space for easier installation of conductors
- Backed-out neutral screws to allow for quick connection of ground and neutral conductors
- Common drive types on screw connections help to reduce installation time
- Industry exclusive self-leveling tabs for a quick drywall offset
- Keyhole hanging feature on cover provides ease of installation
- Embossed circuit numbers for a clean, professional look

Timeline

The PON launch consists of three phases. During the first phase, or “pull-ahead launch,” four high volume BR loadcenters and six BR electronic breakers will become available for sale.

This pull-ahead launch will provide contractors an opportunity to try the new design in a few SKUs before fully transitioning.

The bulk of the launch will take place during the second phase, and will include all NEMA 1 BR & CH loadcenters within the scope of the project as well as the balance of the electronic breakers. The final phase will include all NEMA 3R BR & CH loadcenters.

Both the first and second phases of the launch will take place in Q3 2018, followed by the third phase in Q4 2018.

Pull-ahead launch new plug-on neutral SKUs

Loadcenter SKUs	Description
BRP30B200	BR main breaker 200A 30 space
BRP30L200G	BR main lug 200A 30 space w/ ground bar
BRP40B200	BR main breaker 200A 40 space
BRP40N200	BR convertible 200A 40 space
Electronic breaker SKUs	
BRP115AF	BR PON 1 pole 15A – AFCI
BRP120AF	BR PON 1 pole 20A – AFCI
BRP115GF	BR PON 1 pole 15A – GFCI
BRP120GF	BR PON 1 pole 20A – GFCI
BRP115DF	BR PON 1 pole 15A – AFGF
BRP120DF	BR PON 1 pole 20A – AFGF

Note: A complete list of all new PON SKUs is available in a separate document.

Pricing

Eaton is proactively updating existing price agreements (CSPs, DSPs, & DOPs). The price files containing only the new SKUs will be released in three waves to coincide with the three different launch dates. The pricing detail for the ten BR pull-ahead SKUs is included in the GPI price file.

The NEMA 1 loadcenter & breaker SKUs launching in Q3 will be included in a separate price file which will be available roughly 30 days prior to the launch. The final price file for the NEMA 3R SKUs will be sent out 30 days prior to the Q4 2018 launch date. All three pricing files will be accessible via VOTW.

Inventory & returns

Once the new PON offering becomes available, the expectation is to conduct business as normal. The non-PON offering is still suitable for use so channel partners are expected to sell through their existing inventory of the non-PON design. When it comes time to place a replenishment order, the distributor would then purchase the new PON offering. In summary, once the PON product launches, do not place stocking orders – only replenishment orders.

When the PON offering becomes available, the replaced non-PON loadcenters will not be eligible for full return credit as they will be non-current product. At that time, an 80% restocking fee will be applied.

As previously mentioned, the non-PON product is fully functional (and still UL® listed) so should continue to be sold until inventory is depleted.

Launch plan

Currently, there is a product aid available that can be shared with your customers. At the time of the full launch, there will be channel merchandising available for purchase, including counter displays, pull up banners, and window clings. Several resources highlighting the new offering will be available including videos, literature, and posters.

After the launch, a national promotion for PON will be announced to Eaton's channel partners.

Did you know?

- Eaton will continue to sell both BR & CH pigtail style electronic breakers to support aftermarket needs and to support small space (<12 space) non-PON loadcenters.
- Coinciding with the PON launch, Eaton will also change the catalog number scheme of its pigtail electronic breakers. This will allow the new pigtail & PON breaker catalog numbers to utilize the same catalog number scheme to alleviate any potential confusion in the future.

- Pigtail style electronic breakers can be used in PON loadcenters if needed. However, the reverse is not true. PON breakers cannot be used in non-PON loadcenters.

- The existing CH PON and the new CH PON breakers are reverse compatible.

- Eaton was able to consolidate the loadcenter offering due to the removal of circuit total limiting (CTL) language from UL67. This allows all PON loadcenters to have a circuit count equal to double the space count.

- Since the PON loadcenter design is changing, there will be new covers and accessories as well.

For any other questions related to the new PON offering, please contact your local Eaton sales representative or visit www.eaton.com





We make what matters work.*

* At Eaton, we believe that power is a fundamental part of just about everything people do. Technology, transportation, energy and infrastructure—these are things the world relies on every day. That’s why Eaton is dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people’s lives, the communities where we live and work, and the planet our future generations depend upon. Because that’s what really matters. And we’re here to make sure it works.

[See more at Eaton.com/whatmatters](https://www.eaton.com/whatmatters)



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