

Build a more efficient grid:

New intelligence and control at the edge.



Smart energy decisions powered by smart breakers.

Decarbonization and increased electrification are creating an environment where power needs to flow bi-directionally, between renewable energy sources, electric vehicle charging infrastructure and other loads. Many new parts of the system now need to be connected and controlled. So we reimagined that central point where power is connected to the grid and distributed at home: the circuit breaker. The result is a staggering transformation that brings unprecedented visibility and control at the grid edge. Finally, go beyond the meter to get new circuit-level insights.



Smart

Generate real-world load profiles for grid planning with historical and real-time metering data



Simple

Control specific loads for far more efficient demand response and load management programs



Sustainable

Support distributed energy resource (DER) deployment with more accurate forecasting



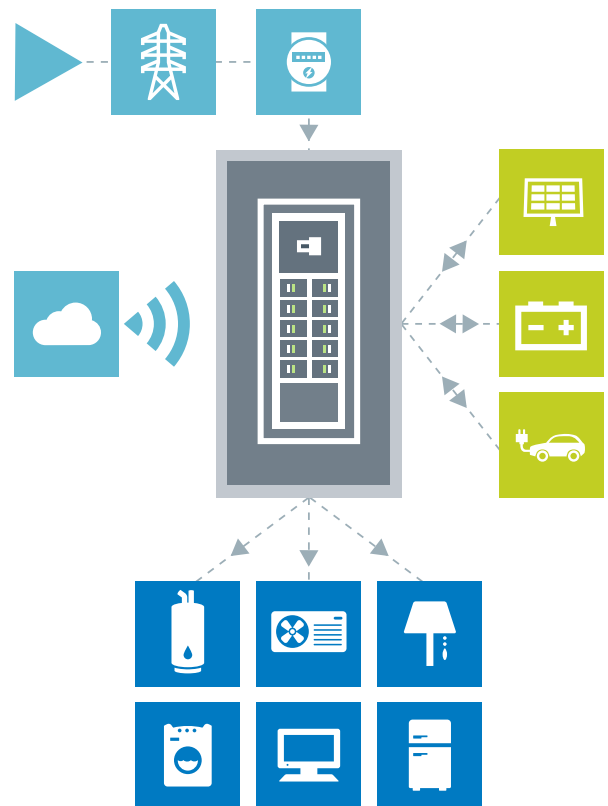
Secure

Incorporate the industry leading rigorous cybersecurity practices, enabling secure data transmission from the data source to the user.

How can smart breakers help utilities?

Enabled through Eaton's open APIs, powered by Brightlayer, utilities have the flexibility to integrate with preferred software management systems such as Virtual Peaker, SunVerge and LG.

- 1. Optimize DERs:** Our smart breaker include revenue-grade metering, enabling monitoring through net metering, showing how much energy is created and consumed.
- 2. Improve resiliency and support flexible load management:** Eaton smart breakers can help manage peak demand and advance resiliency during an outage by helping turn off non-essential loads so that onsite energy storage systems can power critical loads longer.
- 3. Simplify demand response:** Enable a more efficient and less intrusive approach to demand response through the ability to control loads discretely inside a loadcenter.
- 4. Intuitive future planning:** Leverage historical and real-time metering data from connected loads to generate accurate insights for grid planning, energy storage optimization and forecasting DER deployment. All enabled through our revenue-grade metering capabilities ($\pm 0.2\%$ accurate metering as per ANSI C12.20).



Type BR (1-inch BREM)

AMPERES	No. OF POLES	kAIC	CATALOG No.
15	1	10	BREM1015
20	1	10	BREM1020
30	1	10	BREM1030
15	2	10	BREM2015
20	2	10	BREM2020
30	2	10	BREM2030
40	2	10	BREM2040
50	2	10	BREM2050

Installs directly in BR loadcenters



Type BAB (1-inch BABEM)

AMPERES	No. OF POLES	kAIC	CATALOG No.
15	1	10	BABEM1015
20	1	10	BABEM1020
30	1	10	BABEM1030
15	2	10	BABEM2015
20	2	10	BABEM2020
30	2	10	BABEM2030
40	2	10	BABEM2040
50	2	10	BABEM2050

Installs directly in PRL3X panelboards

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To learn more, contact your Eaton representative or visit Eaton.com/SmartBreakers