

ReliaHome™ Flex

Adaptable energy management for modern homes



ReliaHome Flex, part of ABB's family of smart residential energy solutions, offers a simpler way to manage high-demand electrical loads—without the need for costly service upgrades. Designed to intelligently control large electrical loads in single and multifamily homes, the ReliaHome Flex system consists of a Hub and a Controller. The Controller can be installed along the load wire and manage a single- or dual-pole load up to 60 A. The Hub connects to a router for easy installation and wirelessly communicates with the Controllers to ensure the connected circuits remain within electrical limits.



Retrofitting existing homes

Adding an EV charger, induction stove or HVAC system to an older home often requires a costly service upgrade. ReliaHome Flex offers a smarter alternative.

How it works: Install two controllers — one on the new appliance and one on an existing load of similar size. The system intelligently manages power between them.

Ideal for: Homeowners facing service limitations and/or high upgrade costs or planning for future electrification.

Benefits: Avoids panel upgrades, reduces installation complexity and provides full control via the app.



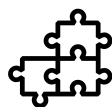
Optimizing new construction

Builders can use ReliaHome Flex to reduce service size requirements and avoid overloading community transformers.

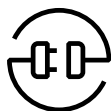
How it works: Intelligent load management allows for a lower overall load calculation, enabling a smaller size service to the home without sacrificing any required electrical loads.

Ideal for: New construction in areas with limited utility capacity, where cost savings or speed are a priority, or when electrification or smart home functionality is important to the homeowner.

Benefits: Reduces overhead costs, supports sustainability goals and ensures homes are future-ready.



Universally compatible with any brand of load center.



Adaptable to meet today's needs and tomorrow's — add controllers as needed.



Respects appliance cycles and avoids unnecessary shutdowns.