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INDUSTRY BROCHURE

# From houses to high-rises

## Residential electrical solutions



Offering:

- Safety and reliability
- Durability for long life
- Fast, easy installation

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# **Let's build the future of residential, together.**

ABB is fully invested in building the future of residential construction. Since the 2018 acquisition of GE Industrial Solutions, ABB is the partner of choice for home builders, contractors and distributors by offering comprehensive residential products and solutions for single- and multi-family dwellings. Let's build the future of residential, together.

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COMING SOON!  
TIME & LABOR  
SAVINGS



# Introducing PowerMark™ PRO

## The motherlode of load centers.

With advanced plug-on neutral electronic circuit breakers that attach to the neutral bus using ABB's unique ReliaLock™ connection feature and round plug-on neutral bars, PowerMark PRO's features enable you to perform faster and more efficient circuit breaker installations. Plus, the convenient and elevated factory-installed neutral and ground bars simplify wiring, helping reduce labor time and project costs.

### Featuring plug-on neutral technology.

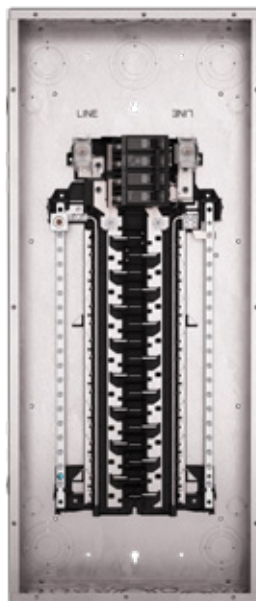
—  
01 PowerMark PRO  
load center exterior

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02 PowerMark PRO  
load center interior

- **Faster installation** — PowerMark PRO features plug-on neutral electronic breakers, round plug-on neutral bars with ReliaLock™ technology, diamond-key knockouts and other labor-saving features.
- **Cost savings** — PowerMark PRO load centers enable faster circuit breaker installation. Plus, the convenient and elevated factory-installed neutral and ground bars simplify wiring, reducing labor time and project costs.
- **Increased reliability** — With its galvanized box, one-piece interior, tin-plated copper bus and steel breaker mounting rail, PowerMark PRO is ruggedly reliable.



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# PowerMark™ PRO load center

## Specifically built to carry your load.

Whether you're a distributor, electrical contractor or home builder, you'll find precisely what you need with PowerMark™ PRO.

**Save time and labor with plug-on neutral electronic circuit breakers.**



**Expand** into the residential market with confidence thanks to plug-on circuit breakers.



**Simplify** ordering and stocking with a load center designed for any application.



**Install** peace of mind with a load center that puts quality and safety first.



**Save** time and labor with less wiring and faster installation times with ABB's AFCI shared-neutral capabilities.



**Protect** against short circuits with electronic circuit breakers using ABB's proprietary ReliaLock™ plug-on neutral connection.







An hour  
saved  
is an hour  
earned

# Designed to perform in single- and multi-family residential

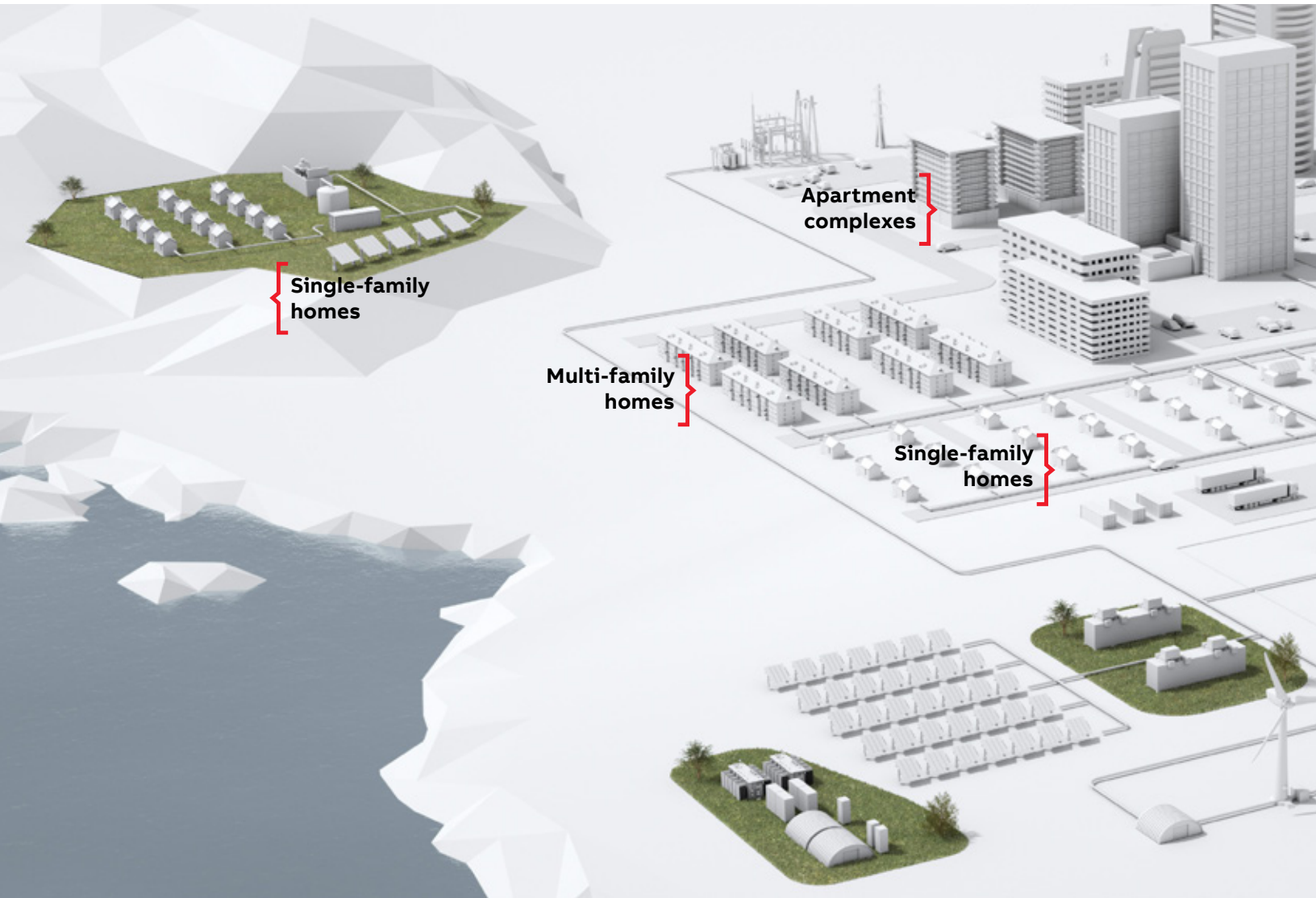
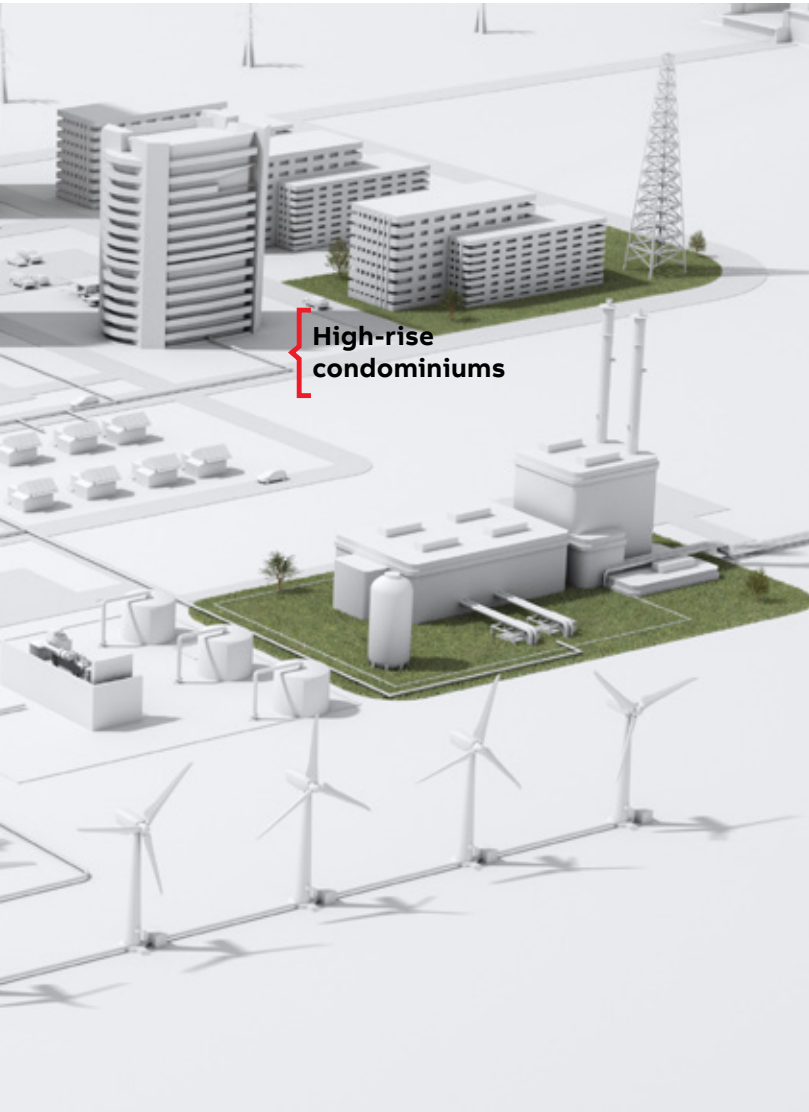


ABB understands the everyday challenges you face in the residential building industry and is committed to providing innovative electrical solutions that help increase safety, perform reliably, reduce project costs and are easy to use.





## Electrical solutions for single- and multi-family residential projects



New construction or retrofit applications



Save installation time



Reduce project costs



Reliable performance



Long-term durability

Whether it's load centers designed for reliable energy distribution and fast installation, surge protective devices that protect against power surges and help meet NEC requirements or our competitive lead times, ABB can help you bring single- and multi-family residential projects in on time, within budget and profitably.







# Comprehensive solutions

## for single- or multi-family construction

ABB continues to provide products and solutions that are simpler, smarter and faster for your residential installations. Designed and manufactured to deliver the value and reliability you need, ABB residential solutions offer new ways to simplify and streamline installation for both new and retrofit applications.

Product	Image	Benefits
PowerMark™ Gold meter socket load centers		Wide range of products — meter mains, farm panels and other utility specialized solutions, including solar-ready. Reliability — our installed meter sockets have been providing reliable service for decades.
PowerMark™ Gold and PowerMark™ PRO load centers		Wide range of products — main breaker, main lug, convertible, single- or three-phase, indoor or outdoor to meet your application needs.
Residential circuit breakers		Contractor-friendly installation — arc fault circuit breakers allow sharing of neutrals and help to eliminate the need to run a second neutral cable. Full product offering — includes ground fault (GFCI) and arc fault (AFCI) 1" and ½" breakers to meet all your residential electrical needs. Cutting-edge technology — dual function (DFCI) breakers offer ground fault and arc fault circuit interruption in one unit, meeting requirements for kitchen and laundry room circuits as per NEC. UL compliance — ground fault with self-test includes periodic automatic diagnostic testing as required by UL.
Modular metering		Reliability — over 20 years of industry-proven designs. Complete product range — fully rated tenant circuit breakers up to 100K for three-phase and single-phase applications.



Product	Image	Benefits
Panelboards		Full product range — interiors, boxes, fronts, kits and accessories — everything you need to assemble a panelboard to fit your applications. Superior delivery time — high volume panels can typically be delivered within 2 weeks within the continental US.
AC disconnects		Ease of use — allows you to easily and safely disconnect the power to your AC units as needed for maintenance.
General-duty safety switches		Complete product range — 30–600 A with NEMA 1 and NEMA 3R enclosures. Reliability— proven by decades of reliable service in residential installations.
Heavy-duty safety switches		Complete product range — fusible or non-fusible; 30–1200 A; single-phase or three-phase; 480, 480Y/277 or 600 V AC, NEMA 1, NEMA 3R, NEMA 4/4X, 316 stainless steel enclosures.
Busway		Reliability — many busway products have been in use for 30+ years. Easy field installation — up to 50% lighter than comparable wire and conduit, and lighter than currently available brands.
Surge protective devices (SPDs)		Reliable — help safeguard electronic equipment and appliances from dangerous current surges. Comply with NEC requirements for residential surge protection.

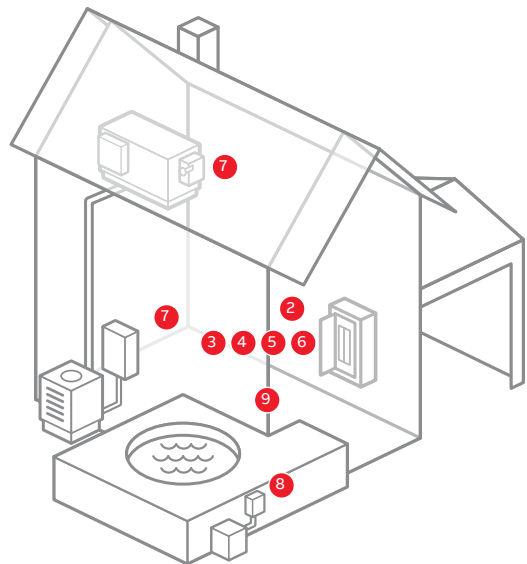
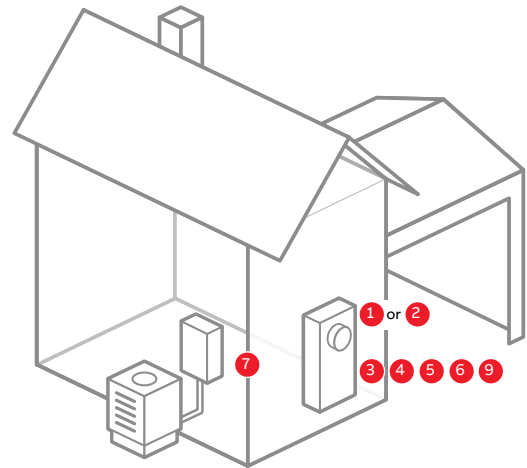
# Single-family homes

Full line of electrical products to meet the needs of single-family homes. From load centers to residential circuit breakers to surge protection, we have you covered.

- 01 Meter socket load centers
- 02 Load centers
- 03 Standard circuit breakers
- 04 Surge protective devices (SPDs)
- 05 Arc fault circuit interrupter (AFCI)
- 06 Dual function circuit interrupter (DFCI)
- 07 AC disconnects
- 08 Spa panel
- 09 Ground fault circuit interrupter (GFCI) with self-test

No one helps protect the home and connects it to the future better. Look to ABB for the widest selection of products, superior service and a name you can trust.

- Standard 1" and ½" circuit breakers to help protect the home, plus dual function, arc fault and ground fault circuit interrupters with self-test
- AC disconnects help provide a convenient means of disconnecting an air conditioning unit for safe servicing
- ABB surge protective devices (SPDs) help protect the electrical system or internally generated surges from damage resulting from lightning strikes



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# Garden-style apartments

Full line of products for garden apartments, townhouses, duplexes and other residences with multiple tenants that each need individual metering solutions. For a complete package that is reliable and economical, use ABB products in your next residential project.

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01 Load centers

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02 Standard circuit breakers

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03 Dual function circuit interrupter (DFCI)

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04 Arc fault circuit interrupter (AFCI)

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05 AC disconnects

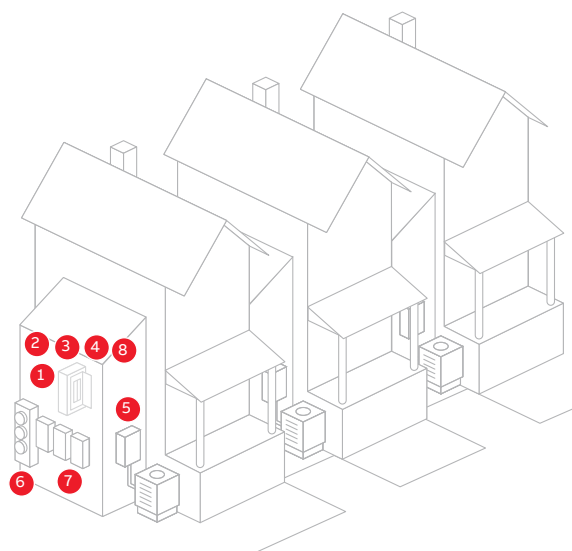
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06 Mini Mod™ III modular metering

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07 General-duty safety switches

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08 Ground fault circuit interrupter (GFCI) with self-test

From load centers to AC disconnects, ABB provides a full offering for your garden-style apartment installations.

- PowerMark™ Gold and PowerMark™ PRO load centers meet a wide variety of application needs and provide exclusive features such as ½" inch breakers and AFCI neutral sharing.
- Mini Mod™ III metering devices allow you to serve up to six apartment units with one enclosure to help save space, time and money.



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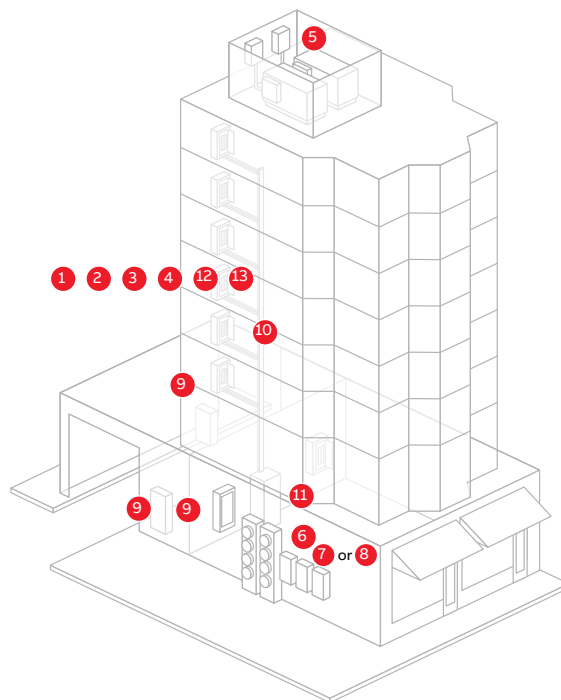
# High-rise mixed-use buildings

From switchboards to busway to load centers, ABB has all your electrical needs covered to help make your next high-rise project a success.

- 01 Load centers
- 02 Standard circuit breakers
- 03 Dual function circuit interrupter (DFCI)
- 04 Arc fault circuit interrupter (AFCI)
- 05 AC disconnects
- 06 Meter Mod™ III modular metering
- 07 General-duty safety switches
- 08 Heavy-duty safety switches
- 09 Panelboards
- 10 Busway
- 11 Switchboards
- 12 Surge protective devices (SPDs)
- 13 Ground fault circuit interrupter (GFCI) with self-test

From modular metering to load centers to busway, ABB has everything you need for your high-rise mixed-use projects.

- Our compact and economical modular metering products save you space and money.
- ABB busway has an all-aluminum housing, making it a light and easy-to-install busway.
- These products save time and labor costs to help you keep your project on time and within budget.
- ABB also offers busway PTO units that easily plug directly onto the busway. You can have circuit breakers, fusible switches or other options installed on the PTO units to meet most application needs.
- ABB switchboards offer sophisticated designs that provide the high quality and reliability you need in electrical products.



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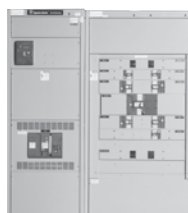
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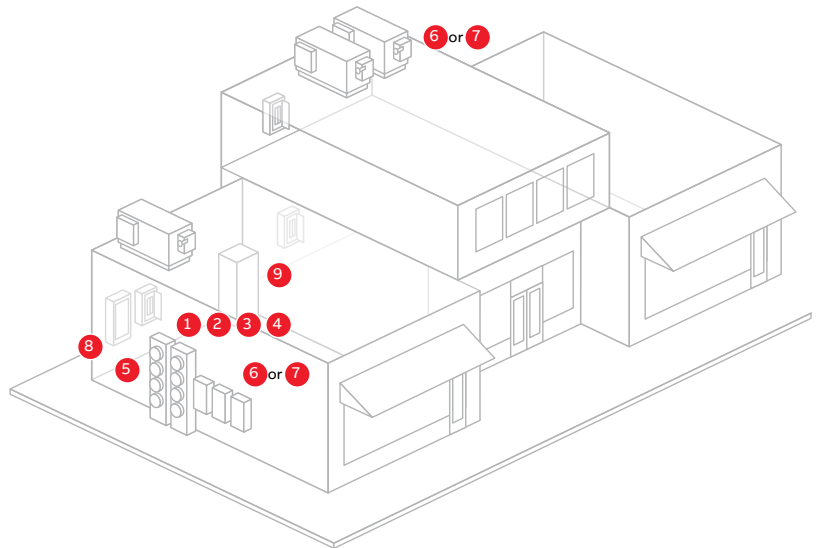
# Commercial buildings

For retail and office buildings, space is money. ABB helps you maximize this space by offering a compact modular metering design that offers one- to four-high 3-phase units that enable you to squeeze the most out of the available space in the electrical room. With a full line of interchangeable components, ABB can deliver a flexible set of electrical solutions to your customers. Whether you have banks, restaurants, retail, office space or a combination of all these located in one building, ABB has you covered.

- 01 3-phase load centers
- 02 Standard circuit breakers
- 03 Dual function circuit interrupter (DFCI)
- 04 Arc fault circuit interrupter (AFCI)
- 05 Meter Mod™ III modular metering
- 06 General-duty safety switches
- 07 Heavy-duty safety switches
- 08 Panelboards
- 09 Switchboards

From heavy-duty switches to panelboards, ABB provides everything you need for your commercial project.

- Our ReliaGear™ lighting panelboard's comprehensive design, ease of installation and competitive price make it the obvious choice for contractors and consultants.
- Spec-Setter™ safety switches provide a rugged, reliable and easy-to-install solution for all your commercial application requirements.



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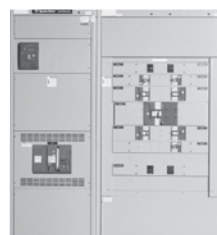
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# Residential products selection

Product selection guide



Product	Single-family homes	Garden-style apartments	High-rise mixed-use buildings	Commercial buildings
PowerMark™ Gold meter socket load centers	•			
PowerMark™ Gold load centers	•	•	•	•
PowerMark™ PRO load centers	•	•	•	
Standard circuit breakers	•	•	•	•
Dual function circuit interrupters (DFCI)	•	•	•	•
Arc fault circuit interrupters (AFCI)	•	•	•	•
Ground fault circuit interrupters (GFCI) with self-test	•	•	•	•
Surge protective devices (THQLSURGE, THOMESURGE)	•	•	•	•
AC disconnects	•	•	•	
Spa panels	•			
Meter Mod™ III modular metering		•	•	•
Mini Mod™ III modular metering		•		
General-duty safety switches		•	•	•
Heavy-duty safety switches			•	•
Panelboards (integrated metering available)			•	•
Busway			•	•
Switchboards			•	•
LV dry type transformers			•	•



## Notes

## Notes







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