

# Energy Control Center

Simplifies the integration of distributed energy resources into an intelligent, pre-engineered, and configurable power control center to easily optimize resources and maximize facility performance



## Prepare Your Building for the Future of Energy

In the new energy landscape, today's buildings can be both producers and consumers of energy.

When you are ready to begin your new energy journey, Schneider Electric's innovative Energy Control Center (ECC) can help simplify the optimization of your distributed energy resources and allow you to meet your savings, sustainability, and resilience goals.

The ECC provides a modular, scalable way for you to distribute and control electric power flow between the electric utility grid, distributed energy resources (DERs), and the electrical loads at a site.

### Flexible

- Works with numerous types and brands of DERs for easier adaptation into your existing building
- Future ready design – adaptability allows for future facility expansion and integration with additional DERs which can be added over time

### Fast

- "Configured to Order" approach simplifies the ordering process, reducing DER controller design, manufacturing, and order time
- Reference designs avoid the need to "start from scratch"
- Factory wired, programmed, and tested to streamline commissioning and significantly reduce labor expenses

### Smart

- EcoStruxure Microgrid Advisor is available to maximize ROI from DERs
- Edge control enables resilience during outages, including using PV with an anchor resource such as a site's standby generator
- Advanced intelligent metering provides insight into power quality, usage, and DER production



The Energy Control Center's modular design allows the solution to easily expand and additional DERs to be added as your building needs or sustainability goals change.

## Range of ECC Solutions

Energy Control Center components range from touchscreen interfaces and edge controllers running microgrid operations to utility-grade protective relays and revenue-grade metering.

The entire range of ECC solutions can meet your building's specific requirements ranging from the most simplified use cases to complicated applications involving multiple DERs and complicated load management or forecasting needs.

Example of a Schneider Electric Energy Control Center. The actual size, section count, and configuration will vary depending on each individual site's specific needs.



Technical Features	ECC 800, 1200	ECC 1600, 2000, 2500	ECC 5000
DER Compatibility	validated	any type	any type
Sections rated horizontal bus	–	2500A	5000A
Sections rated vertical bus	1200A	2500A	3000A
Single Mains	800A	1200A	5000A
Subdivision Mains	–	–	4000A (6)
Individually Mounted Feeders	–	–	4000A
Group Mounted Feeders	800A	1200A	1200A
NEMA enclosures	Type 1	Type 1 or Type 3R	Type 1 or Type 3R
Accessibility	front only	front and rear	front and rear
Section Height	84"	91.5" with base channels	91.5" with base channels
Section Widths	24", 26", 36", 42" or 44"	24", 36"	12", 24", 30", 36", 42", 48", or 54"
Frame Depth	10.5"	24"	24", 36", 48", 54", or 60"
Voltage	600 Vac or 250 Vdc	600 Vac or 250 Vdc	600 Vac or 250 Vdc
Factory Assembled?	yes	yes	yes
Surge Protective Devices (SPD)?	yes	yes	yes
Customer Metering?	yes	yes	yes
Hot/Cold Sequence Utility Metering?	no	no	yes
Suitable for Service Entrance or Distribution?	no	no	yes



Learn more at [www.schneider-electric.us/ecc](http://www.schneider-electric.us/ecc)

Schneider Electric  
800 Federal St  
Andover, MA 01810  
[www.schneider-electric.us](http://www.schneider-electric.us)

Life Is On | **Schneider**  
Electric