GE Switchboards

Experience the future with the next generation of GE switchboards

GE Energy
When you need more from a switchboard

From a solid legacy

The Evolution™ Series Switchboard is just that— the logical evolution of our highly regarded Spectra® Series Switchboard. With an installed base of thousands of units worldwide, Spectra Series Switchboards set the standard for functionality, flexibility, and rugged, durable construction. Evolution Series Switchboards build on this legacy and provide the foundation for power distribution systems wherever 24/7 reliability is an absolute necessity.

There are few companies in the world with as long or as distinguished a record of innovation as GE. And while we’re proud of our history, our success has always depended on our ability to look ahead and anticipate the needs of our customers. The Evolution Series Switchboard is squarely in that tradition.
To the next step

Evolution takes switchboard design into the future, in the process demonstrating that you can have both superior selectivity and rigorous arc flash protection. The Evolution Series Switchboard accommodates the latest technology for people and property protection like Instantaneous Zone Selective Interlocking (I-ZSI) and Reduced Energy Let Through (RELT). In addition, the Evolution Series Switchboard features a robust enclosure designed for space efficiency and ease of installation.

GE is leading the future of electrification by committing to technologies that will help create a cleaner, smarter, and more efficient global electrical infrastructure.
Prepare for the future—today

Features and Benefits
As our line of Evolution Series Switchboards expands, the list of leading edge features and benefits will grow. From the start, you can count on Evolution Series Switchboards to deliver:

• Ease of installation
• Improved Arc Flash Mitigation
• Enhanced Selectivity
• Expanded Ratings
• Efficient Footprint

Ease of Installation
Front access neutral and ground as well as splice plates for easier connections make working on Evolution Series Switchboards simpler, quicker, and safer.

Improved Arc Flash Mitigation
Evolution accommodates the advanced technology built into GE EntelliGuard® circuit breakers and trip units:

• Instantaneous Zone Selective Interlocking (I-ZSI) simultaneously provides arc fault protection and instantaneous selectivity—an industry first!
• Reduced Energy Let Through (RELT) Instantaneous trip allows a circuit breaker to be temporarily set to a more sensitive pickup to provide better protection during installation and maintenance, providing an added margin of safety for personnel.

Enhanced Selectivity
Evolution Series Switchboards are compatible with Record Plus®, Spectra and EntelliGuard circuit breakers.

Interior hardware layout of the new Evolution Series Switchboards
New horizontal split bus design reduces the overall material and weight while maintaining UL heat rise standards.
We’ve Built in the Voice of the Customer

Even before we began work on the Evolution Series Switchboard, we sat down with customers and contractors across the United States to understand their vision for the ideal switchboard. Their insights are reflected everywhere in our design, for instance confirming our decision to provide front access ground and neutrals and inspiring us to find ways to increase space for cable bending.

Efficient Footprint
The unique design of the front neutral space in the Evolution Series provides the clearance to accommodate additional breakers in a more efficient footprint.

Expanded Ratings
The Evolution Series provides expanded coverage for nearly every switchboard application:
- 6000A rating
- 667A/sq.in. bus density
- 4000A 100% rated stationary

Evolution can integrate a variety of meters including the new GE EPM9900 to monitor, measure and manage your energy usage to maximize building efficiencies.

Evolution Series Switchboards are compatible with Spectra Series circuit breakers, including the selective Spectra microEntelliGuard™.
Depending on your needs, the Evolution Series Switchboard may already offer features that make it your best choice. It expands the GE switchboard product offering up to 6000A, reduces the footprint on the 5000A, and meets a wider range of code requirements.

At the same time, the time-tested Spectra Series Switchboard feature set may already adequately address your requirements.

### Features

<table>
<thead>
<tr>
<th>Features</th>
<th>GE Spectra</th>
<th>GE Evolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Amperage</td>
<td>5000A</td>
<td>6000A</td>
</tr>
<tr>
<td>Front Connected Neutral and Grounds</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Patented Splice Plate design for simplified section connectivity</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>5000A Dimensions</td>
<td>90 in. wide</td>
<td>50 in. wide</td>
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<tr>
<td></td>
<td>60 in. deep</td>
<td>50 in. deep</td>
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<tr>
<td>5000A Dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-ZSI Solution</td>
<td>WavePro - MET</td>
<td>EntelliGuard - MET</td>
</tr>
<tr>
<td>Maximum Voltage</td>
<td>600VAC</td>
<td>600VAC</td>
</tr>
<tr>
<td>Maximum Copper Bus Rating</td>
<td>800A/in.² at 5000A</td>
<td>667A/in.² at 6000A</td>
</tr>
<tr>
<td>4000A 100% Rated Stationary Dimensions</td>
<td>None</td>
<td>45 in. wide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45 in. deep</td>
</tr>
<tr>
<td>Selectivity</td>
<td>WavePro main uses 30 cycle withstand, 200k bus brace, sourced 1200A</td>
<td>EntelliGuard G, I-ZSI, 1200A selective MET, Waveform recognition*</td>
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</tbody>
</table>

*An industry first!
Designed for 24/7 critical power applications

Evolution Series Switchboards are the ideal solution for projects where downtime is not an option. You can depend on them for 24/7 power, superior selectivity, and outstanding arc flash mitigation. They provide the foundation for power distribution systems in such applications as:

- Health care centers
- Data centers
- Lodging/hospitality
- High rise and low rise office buildings
- Educational institutions
- Stadiums
- Casinos

Explore Evolution Today
www.geindustrial.com