ReliaGear™ OEM Lighting Panelboards

Building smart, reliable, and flexible solutions together

Ari Gullerian, Product Marketing Manager
ReliaGear OEM Panelboards

Product overview
- Product description
- Benefits
- Application

Offering and features
- Common features
- OEM Types
- Type G
- Type L
- Breakers

Sales tools
- Marketing resources
- Launch card
ReliaGear™ OEM Lighting Panelboards offer the reliability and flexibility you need to design and complement your solutions. Their high-performance and protection capabilities help you ensure continuity of service and protection of equipment for commercial or light industrial to advanced heavy-duty applications.
ReliaGear™ OEM Lighting Panelboards
Product overview, benefits and applications
ReliaGear OEM Panelboards
Building smart, reliable, and flexible solutions together

ReliaGear™ OEM Lighting Panelboards are assembled on rigid steel frames and equipped with circuit breakers from 15 A to 600 A. The maximum short circuit rating is equal to 65 kAIC at 240 V AC and 480/277 V AC.

ReliaGear™ OEM Panelboards are available as type G or Type L and incorporate the best features you find in the ReliaGear RQ, RL, RE, RS, and RD lighting panelboards.

Type G
ReliaGear OEM Type G panelboards include the interior, enclosure, front, and shield.

Type L
ReliaGear OEM Type L panelboards provide the interior construction only.
ReliaGear OEM Panelboards
Building smart, reliable, and flexible solutions together

Vast engineering documentation
3D models and drawings available to help design your solution

Advanced flexibility
Build customized solutions by incorporating ReliaGear lighting panelboards configurations into two OEM arrangements, Type G and Type L.

Continuous operation
Advanced breaking capacities combined with the most precise electronic trip units help ensure continuity of service and equipment protection at all times.

Space optimization
Compact design to make the best use of available space.

Count on us 24/7
We continue to invest in R&D, manufacturing capacity, innovative tools, and more importantly, our people to deliver best-in-class service and solutions.

Speed up your projects
OEM panelboards are built with advanced features that can allow you to speed up your projects.
ReliaGear OEM Panelboards are the smart choice to build your solutions for applications where XTreme performance and flexible design matter.

Ideal for:
- Commercial and high-rise buildings
- Data centers
- Educational and institutional facilities
- Food and beverage facilities
- Health care facilities
- Infrastructure projects
- Large industrial complexes
- And more
ReliaGear™ OEM Lighting Panelboards
Offering & features
ReliaGear OEM Panelboards
System voltages & common features

System voltages:

United States and Canada
480 V AC; 3-phase, 3-wire
600 V AC; 3-phase, 3-wire
208Y/120 V AC; 3-phase, 4-wire
480Y/277 V AC; 3-phase, 4-wire
600Y/347 V AC; 3-phase, 4-wire
120/240 V AC; 1-phase, 3-wire
240 V AC; 3-phase, 3-wire

ReliaGear™ OEM Lighting Panelboards available in:
- RQ
- RL
- RE
- RS
- RD

Note:
The position of the breakers may vary depending on the type of panelboard.
ReliaGear OEM Panelboards

ReliaGear series available in 2 OEM arrangements

Type G
Enclosure, front, interior and shield

- 240 V max., 1- or 3-phase
- 125-800A¹
- Fully rated²: 65 kAIC at 240V
- Bolt-on THQB Branch breakers

- 240 V max., 1- or 3-phase
- 125-800A¹
- Fully rated²: 65 kAIC at 240V
- Plug-on THQL Branch breakers

- 480Y/277 V max., 3-phase
- 125-800A¹
- Fully rated²: 18 kAIC at 480Y/277 V, 65 kAIC at 240V
- Bolt-on TEY(F) Branch breakers
- Main lugs 125-800A up to 250VDC & Main breaker 125A at 250VDC max

Type L
Interior only

- 600 V max., 3-phase
- 125-600A¹
- Fully rated²: 42kAIC at 600Y/347V,
- Bolt-on branch breakers: FB 1/2P: 15-100A
  XT2 3P: 15-125A

¹125-600A Main Breaker; 125-800A Main Lug Only
² Series rating capabilities are indicated in panel configuration in Empower or DET-008 document
ReliaGear™ OEM Lighting Panelboards - Type G

Design flexibility for an advanced level of customization

ReliaGear OEM Type G includes the same standard components as the ReliaGear™ lighting panelboards: enclosure, shield, front and Interior.

Designed for facility electrical systems where main and branch connections are made in the field, this interior contains a full height deadfront shield that provides NEC compliant wire bending space when utilized with ReliaGear or equivalently sized enclosures. UL labeled and listed, Type G is available in main lug or main breaker and gives you the full capabilities of the factory assembled panelboard with the ability to stock and ship as needed.
ReliaGear™ OEM Lighting Panelboards - Type G
Design flexibility for an advanced level of customization

Features
• Interior, Shield, Front and enclosure included
• RQ,RL,RE,RS and RD product families available
• 125A-800A MLO; 125-600A Main Breaker
• Main Breaker, Main Lugs, Main Studs
• Up to 84 circuits
• NEMA 1, NEMA 3R, NEMA 4/4X, NEMA 12 Enclosures available
• 4 different front door alternatives available for NEMA 1 enclosures
• Hundreds of 3D Models available

¹Enclosure and Front can be excluded from the provision by selecting “Interior only” option in the Empower configurator. In this case, customer will receive only the interior and shield.
ReliaGear™ OEM Lighting Panelboards - Type G
NEMA enclosures

NEMA environmental enclosure types

Available environmental enclosure types:
- NEMA 1
- NEMA 3R
- NEMA 4/4X
- NEMA 12

- 30" wide options for increased access to gutter space
- Blank end walls are standard; end walls with knockouts available as an option
- NEMA 4/4X/12 enclosures made of 316 stainless steel or painted galvanneal for harsh indoor/outdoor conditions (corrosion-resistant, water-tight and dust-proof)
- Optional locks, Yale, Best or Corbin, corrosion-resistant, catch and locking door latch offering (doors over 55" and higher provide two latches as shown)
- Optional field-installable metal directory frames available
ReliaGear™ OEM Lighting Panelboards - Type G

Door options for NEMA 1 enclosures

- **Standard**
- **Front Hinge to Box (mod code FHB)**
- **Door-in-door (mod code DWD)**
ReliaGear™ OEM Lighting Panelboards - Type L
Compact interiors to make the best use of available space

Type L
ReliaGear OEM Type L provides the interior construction which is the core component for any power distribution solution. This UL recognized interior is the perfect choice for customers who desire to incorporate ReliaGear interiors in their electrical distribution equipment. Originally designed for power conditioning equipment, it can be utilized anywhere mounting space is at a premium and wiring terminations will be made at the factory. Type L interiors are furnished without a deadfront shield, and do not include the enclosure and front. They are available in 125-800A main lug and main stud and 125-600A main breaker.
ReliaGear™ OEM Lighting Panelboards - Type L
Compact interiors to make the best use of available space

**Features**

- Interior only. No front, box or shield supplied;
- RQ, RL, RE, RS and RD product families available;
- UL Recognized interior;
- 125A-800A MLO; 125-600A Main Breaker;
- Main Breaker, Main Lugs, Main Studs;
- Top or Bottom fed;
- Minimum 10 inch-wide interior;
- System voltage, AIC rating and Branch breakers according to product family;
- Up to 84 circuits²;
- Hundreds of 3D Models available;

² 96 circuit available as main lug, no neutral, shorter rails only
ReliaGear™ OEM Lighting Panelboards - Type L

Shorter rails alternative for even greater footprint

Developed with customer input, the new Type L Shorter Rails alternative provides a smaller footprint by removing the cable bending space and therefore reducing the total height of the interior. This brings even greater flexibility allowing OEMs to optimize the final design/solution.

Type L shorter rails alternative is targeted to be live in the Empower configurator tool by December 2021.

Please contact Product Marketing for any immediate need.
FORMULA A2 & Tmax XT® circuit breakers
Mains & sub-feeds

New CB generation in mains & subfeeds

Tmax XT, FORMULA A2, and legacy GE circuit breakers

<table>
<thead>
<tr>
<th></th>
<th>FORMULA A2</th>
<th>XT1</th>
<th>XT4</th>
<th>XT5</th>
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<tr>
<td>Frame size (A)</td>
<td>225</td>
<td>125</td>
<td>250</td>
<td>400 and 600</td>
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<td>Trip units</td>
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<td>Thermal magnetic adjustable (TMA)</td>
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<td>65</td>
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<tr>
<td>600Y/347V</td>
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<tr>
<td>600V</td>
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</table>
Molded case circuit breakers
Mains, sub-feeds & branch breakers

Confidence for a lifetime

We have combined the best technology of ABB and GE Industrial Solutions to bring you a true breakthrough in lighting panels

<table>
<thead>
<tr>
<th>Frame size</th>
<th>FB</th>
<th>XT2</th>
<th>THQB (bolt-on)</th>
<th>THQH (plug-on)</th>
<th>TEY</th>
<th>TEYF</th>
<th>TEYD</th>
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<tr>
<td>Trip units</td>
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<td>14</td>
<td>18</td>
<td>25</td>
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<td></td>
<td>600V/347V</td>
<td>42</td>
<td>42 (XT2V)</td>
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<tr>
<td></td>
<td>600V</td>
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<td>42 (XT2V)</td>
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©ABB
ReliaGear™ OEM Lighting Panelboards
Sales toolkit
ReliaGear® OEM panelboards
Marketing resources

Landing Page

Release note

Product guide

Product images

Available through PIR

Email Banners

Customer presentation
ReliaGear™ OEM panelboards
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Product description
ReliaGear™ OEM Lighting Panelboards offer the versatility and flexibility OEMs need to design and complement their solutions. Their high-performance and protection capabilities help ensure continuity of service and protection of equipment for commercial or light industrial to advanced heavy-duty applications. ReliaGear OEM Type G panelboards include the interior, enclosure, front, and shield while ReliaGear OEM Type L panelboards provide the interior construction only.

Target audience
Original Equipment Manufacturers (OEMs), Electrical distributors

Applications
Commercial and high-rise buildings, education and institutional, F&B, Critical power, Data centers, large industrial complexes, and more.

Value proposition

- **Vast engineering documentation**
  3D models and drawings available to help design your solution

- **Advanced flexibility**
  Build customized solutions by incorporating ReliaGear lighting panelboards configurations into two OEM arrangements, Type G and Type L.

- **Continuous operation**
  Advanced breaking capacities combined with the most precise electronic trip units help ensures continuity of service and equipment protection at all times.

- **Space optimization**
  Compact design to make the best use of available space.

- **Count on us 24/7**
  We continue to invest in R&D, manufacturing capacity, innovative tools, and more importantly, our people to deliver best-in-class service and solutions

- **Speed up your projects**
  OEM panelboards are built with advanced features that can allow you to speed up your projects.

Visit product website for key features and technical information

<table>
<thead>
<tr>
<th>Internal</th>
<th>External</th>
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<tbody>
<tr>
<td>- Sales enablement portal</td>
<td>- Product website</td>
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<tr>
<td>- Market Link – Sept.15, 2021</td>
<td>- Release note</td>
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<tr>
<td>- ELSB Global NL – September 30, 2021</td>
<td>- Product guide</td>
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<td>- Launch Card (this slide)</td>
<td>- Electrification home page - Product Spotlight</td>
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<tr>
<td>- Product training – N/A</td>
<td>- Product news from encounter newsletters – 4Q</td>
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<tr>
<td>- NPI – Q4</td>
<td>- Segment websites: OEM</td>
</tr>
<tr>
<td>- Product images (PIR)</td>
<td>- M2M – Launch card and creative assets</td>
</tr>
</tbody>
</table>

- Post for Social media – LinkedIn
- Web/signature banner
- Banner in empower
- Advertising (PDF) – Available soon
- OEM portal