# PlexPower™ Fiber Panelboard

## Factory Sealed. Stainless Steel Enclosures. Panelboard with Fiber Patch Panel

***NEC/CEC:***
***Class I, Zone 1, AEx d e op pr IIB+$H_2$ T3/T5 Gb***
***Ex d e op pr IIB+$H_2$ T3/T5 Gb***
***Class I, Division 2, Groups B, C, D***
***Class II, Division 1, Groups F, G*** ①
***Class III*** ①
***IP66, Type 4X*** ②

### Applications

- The PlexPower™ fiber panelboard provides indoor and outdoor protection and control of electrical circuits in hazardous environments such as:
  — Petroleum plants
  — Chemical plants
  — Refineries
  — Wastewater Treatment Plants
  — Paper and Pulp Industries
  — Other process facilities
- Ideal for placement in wet, corrosive environments or where flammable gases or vapors are likely to be present.
- Suitable for use on applications where both powe and communication wiring is required.

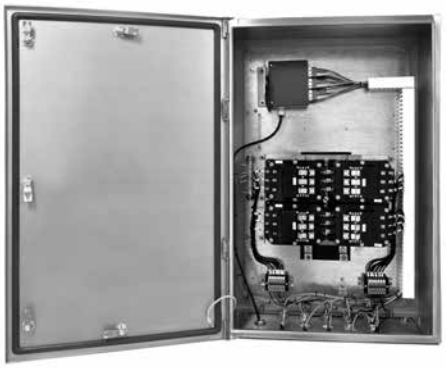
### Features

- No external conduit or cable seals required thus making installations faster, easier, and less costly.
- The PlexPower™ Fiber Panelboard features a ground-breaking design that uses individual breaker housings to minimize the downtime and costs associated with servicing circuit breakers in hazardous locations.
- PlexPower™ breakers accommodate off-the-shelf breakers, making replacements readily available.
- The lighter weight panelboard enclosure can be quickly opened in the field for easier servicing.
- Supplied with standard hard drawn, tin plated, copper bus bar for superior corrosion resistance.
- Gland plate at the bottom of enclosure can be easily field punched for cable or conduit entries. Additional gland plates available for sides and top must be ordered with the panelboard. See options.
- Standard models offer 12 circuit and 24 circuit panelboard configurations.
- Standard configuration includes internal actuators.
- Supplied with dead front for internal actuation.
- Branch circuit breakers available in single pole. Current ratings on branch breakers:
  — 1-pole: 120/240 Volts, 60 Amps maximum.
- Breakers can be individually padlocked in either the “On” or “Off” position.
- Breaker modules supplied with stainless steel bolts.
- Ground and or neutral bars provided as standard.
- External/internal ground lug provided as standard.
- 120/240 Volt breaker module terminal wire range #14-1/0.
- Standard model utilizes Cutler-Hammer✢ QC Series breakers and a Belden✶ MIPP™ Fiber Patch Panel.
- Panelboard designed for -20 °C to +40 °C (-4 °F to +104 °F) operation.

### Standard Materials

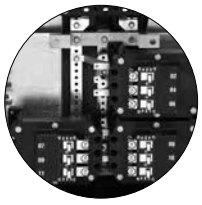
- Enclosure: 316L stainless steel
- Hardware: stainless steel
- Bus bar: hard drawn, tin plated, copper

**Fiber Panelboard**

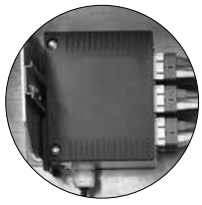


**Bus Bar Panel with Main Breaker Internal View**

### Illustrated Features



**Standard Bus Bar**



**Fiber Patch Panel**

*① Certification only applies without drain/breather.*
*② IP66, Type 4X Certification only applies with drain/breather.*
*✢ Cutler-Hammer is a registered trademark of Eaton Corporation.*
*✶ Belden is a registered trademark Belden Inc.*

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### Options

*Must be listed in alphanumeric sequence at the end of the catalog number.*

- External actuation, add suffix — **EXT**.
- Grounded neutral, add suffix —**GN**.
- Gland plate, specify suffix **GPL** = left side, **GPR** = right side, **GPT** = top side, **NGP** = no gland plate).
- Thermostatically controlled heater, ③
  - — For Class I, Division 2 and Class I, Zone 2 equivalency, add suffix — **HTR**.
    - – For Lighting Panels with Main Lugs, Class I, Division 2, Groups B, C, D and Class I, Zone 2 IIB+$H_2$.
    - – For Lighting Panels with Main Breaker or Power Panels, Class I, Division 2, Groups C, D and Class I, Zone 2 IIB.
  - — For Class I Zone 1 certification, add suffix —**HTRF.**
    - – Certifications listed at top of page apply.
- LED indicator lights, add suffix —**IL**.
- Inverted feed, add suffix —**INV**.
- Phenolic/ lamacoid nameplate (specify legend), add suffix —**NP**.
- Terminal blocks instead of direct wiring, add suffix —**TB**.

### NEC/CEC Certifications and Compliances

- UL Standards: UL 67, UL 1203, 4th Ed., ANSI/ISA-12.12.01-2015, ANSI/UL 60079-0, 5th Ed., ANSI/UL 60079-1, 5th Ed., ANSI/UL 60079-7, 4th Ed., UL 60079-28 – 17, 2nd Ed., UL 50E- 1st Ed.
- CSA Standards: C22.2 No. 0 – 10, C22.2 No. 29-M1989, C22.2 No. 25-1966, C22.2 No 213 – 16, C22.2 No. 60079-0:07, E60079-7-03, C22.2 No. 60079-1:07, C22.2 No. 60079-28:16 2nd Ed., C22.2 No. 94.2-07
- cCSAus Certified: 039199

### Related Products

- Additional PlexPower™ products:
  - — PlexPower™ Factory Sealed Enclosed Circuit Breakers
  - — PlexPower™ Fused Factory Sealed Panelboard
  - — PlexPower™ Contactor and Motor Starters
  - — PlexPower™ Factory Sealed Panelboards

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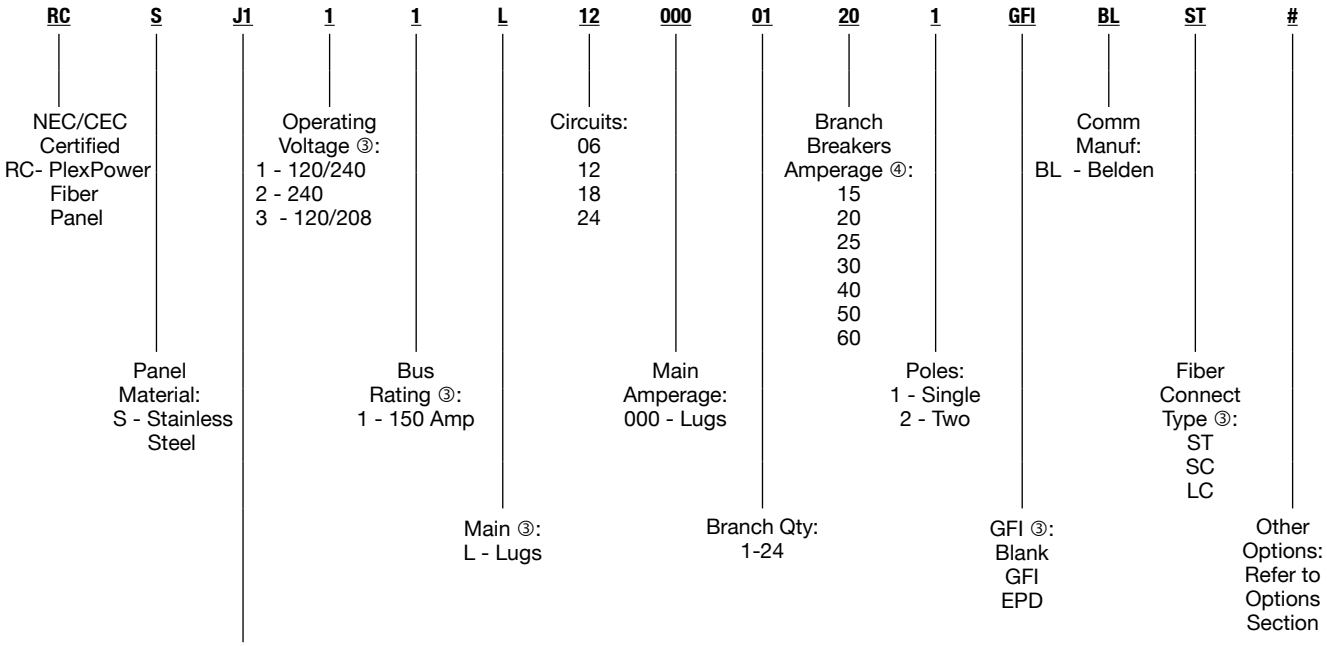


Panel Size ③: Select D1, J1 or F1 stainless steel enclosure based on number of circuits

| | D1<br>750x560x250 | J1<br>875x560x250 | F1<br>1130x560x250 |
|---|---|---|---|
| Max. Circuits | 6 | 12 | 18, 24 |

**Panel Size**

| | Dimensions in Millimeters (Inches) | | |
|---|---|---|---|
| | D1 | J1 | F1 |
| Length | 750 (29.50) | 875 (34.50) | 1130 (45.00) |
| Width | 560 (22.00) | 560 (22.00) | 560 (22.00) |
| Depth | 250 (10.00) | 250 (10.00) | 250 (10.00) |

| Abbreviated Standard Part Numbers | Full Catalog Number | Description |
|---|---|---|
| RCS12201BL | RCSJ111L1200012201BLST-INV-TB | Twelve single pole 20A breakers with Belden patch panel and ST fiber connectors |
| RCS24201BL | RCSF111L2400024201BLST-INV-TB | Twenty-four single pole 20A breakers with Belden patch panel and ST fiber connectors |

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③ *Fields be omitted from the short, abbreviated catalog numbers in order to save space for the ERP system.*
④ *40A is the maximum amperage for 2 or 3 pole branch breaker.*

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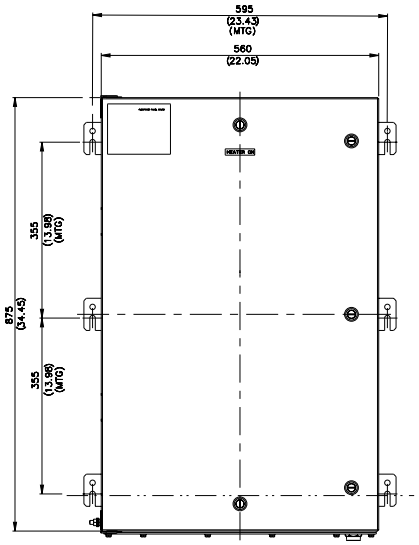
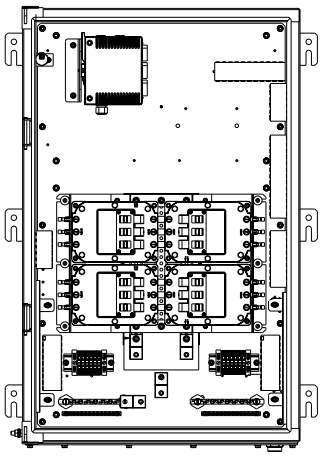
**QC-Frame with Main Lugs Dimensions in Millimeters (Inches)**

**12 Circuit**

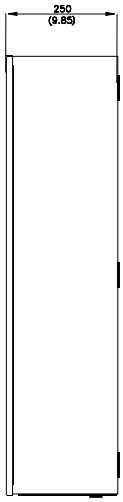
**Front View**




**Internal View**

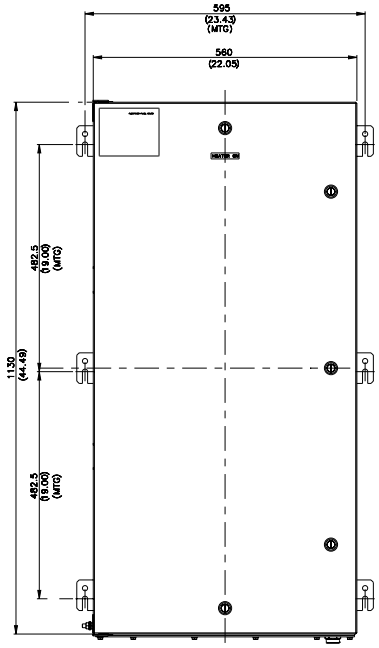


**Side View**

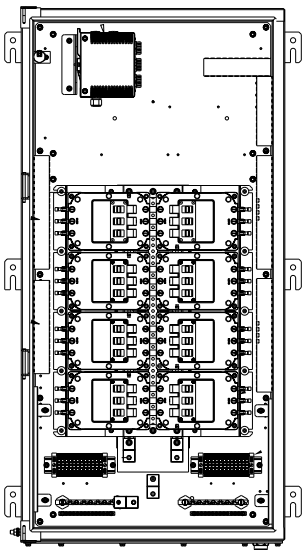



**24 Circuit**

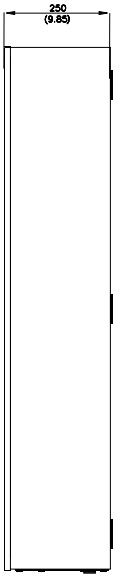
**Front View**




**Internal View**



**Side View**

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