# PlexPower™ Fused Factory Sealed Panelboard with Bus Bar

## Up to 30 Amps. Stainless Steel Enclosures

***NEC/CEC:***
***Class I, Zone 1, AEx de IIB T5***
***Ex de IIB T5***
***Class I, Division 2, Groups C, D***
***Class II, Division 1, Groups F, G*** ①
***Class III*** ①
***IP66, Type 4X*** ②

### Applications

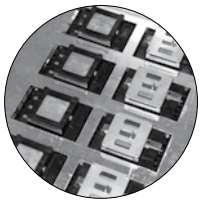
- The PlexPower™ panelboard provides indoor and outdoor protection and control of electrical circuits in hazardous environments such as:
  - — Petroleum plants
  - — Chemical plants
  - — Refineries
  - — Wastewater Treatment Plants
  - — Paper and Pulp Industries
  - — Other process facilities
- Ideal for placement in wet, corrosive environments or where flammable gases or vapors are likely to be present.
- Suitable for use on lighting, heat trace, power circuits and Uninterruptible Power Supply (UPS) applications.

### Features

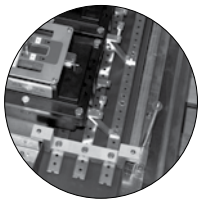
- No external conduit or cable seals required thus making installations faster, easier, and less costly.
- The PlexPower™ panelboard features a ground-breaking design that uses individual fuse housings to minimize the downtime and costs associated with servicing fuses in hazardous locations.
- PlexPower™ fuses accommodate off-the-shelf fuses and switches 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 can be easily field punched for cable or conduit entries.
- Standard model includes plate on the same side as the main connection. Additional gland plates must be ordered with the panelboard. See options.
- RFF model up to 600 V panel.
- Standard fused models offer up to 18 circuit panelboard configurations.
- Fused models are available standard with or without main breaker, depending on the configuration; up to 30 Amps per branch circuit.
- Standard configuration includes internal actuators and a solid door; factory installed options include external actuators.
- Supplied with dead front for internal and external actuation.
- Main circuit breaker up to 150 Amps.
- Breakers and switches can be padlocked in either the “On” or “Off” position.
- Breaker, switch and fuse modules supplied with captive bolts.
- Ground bar provided as standard.
- External/internal ground lug provided as standard.
- Main breakerutilizes Cutler-Hammer✢ F-Frame Series circuit breakers rated -20 °C to +40 °C (-4 °F to +104 °F).
- Standard model utilizes Cutler-Hammer✢ F-Frame Series FD molded case switches for each branch circuit.
- Appleton breaker and fuse modules accommodate standard off-the-shelf replacement breakers and fuses.
- Utilizes standard Marathon® Special Products ③ fuse holder **R6J30A1S** for use with any Class J series fuse.

**Fused Factory Sealed Panelboard**

### Illustrated Features



**Dead Front**



**Standard Bus Bar**

**Off Shelf Fuses and Fuseholders**

① *Certification only applies without drain/breather.*
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③ *Marathon Special Products is a registered trademark of Regal-Beloit Corporation.*
✢ *Cutler-Hammer is a registered trademark of Eaton Corporation.*

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### Standard Materials

- Enclosure: 304 stainless steel
- Alternate enclosure: 316L stainless steel
- Hardware: stainless steel
- Bus bar: hard drawn, tin plated, copper

### Options

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

- 316L stainless steel enclosure material, add suffix — **316L**.
- Drain/breather, add suffix —**DV**.
- External actuation, add suffix — **EXT**.
- Grounded neutral, add suffix —**GN**.
- Gland plate, specify suffix **GPL** = left side, **GPR** = right side, **GPT** = opposite mains, **NGP** = no gland plate).
- Thermostatically controlled heater, add suffix — **HTR**.
- LED indicator lights, add suffix —**IL**.
- Bottom feed, add suffix —**INV**.
- Phenolic nameplate (specify legend), add suffix —**NP**.
- Door padlocking provision, add suffix —**P**.
- Stainless steel legend plate (specify legend), add suffix —**SP**.

### NEC/CEC Certifications and Compliances

- UL Standards: ANSI/UL 67, ANSI/ISA 12.12.01, ANSI/UL 1203, ANSI/UL 60079-0, ANSI/UL60079-1, ANSI/UL60079-7
- CSA Standards: C22.2 No. 29, C22.2 No. 0, C22.2 No. 213, CAN E60079-0, CAN E60079-7, CAN E60079-1
- CSA C22.2 No. 248.1-11 (Low-Voltage Fuses – Part 1: General Requirements)
- CSA C22.2 No. 248.1-11 (Low-Voltage Fuses – Part 8: Class J Fuses)
- cCSAus Certified: 039199
- UL Recognized Component (US and Canada): E319372
- Fuse Specific Certifications
  - JLS and JTD Fuses
    - Standard 248-8, Class J
    - UL Listed (File: E81895)
    - CSA Certified (File: LR29862)

### Related Products

- Additional PlexPower™ products:
  - PlexPower™ Factory Sealed Panelboard with Bus Bar
  - PlexPower™ Factory Sealed Enclosed Circuit Breakers

**Fuse Specifications**

| Series | Type | Amperage Rating | Interrupting Ratings | Voltage Ratings |
|---|---|---|---|---|
| JLS | Fast Acting | 1A—30A | Up to 200 kA rms symmetrical | 600 |
| JTD | Time Delay | 8/10A—30A | Up to 200 kA rms symmetrical | 600 |

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**Steps to Creating Catalog Number:**
Complete Catalog Number

| RFF S E1 3 1 | M 12 100 | 1 15 T | __ | ▲ |
|---|---|---|---|---|
| **Step 1** | **Step 2** | **Step 3** | **Step 4** | **Step 5** |

Step 1: Choose basic catalog from numbering guide on subsequent page.
Step 2: If a main breaker is desired indicate amperage rating.
Example: RFFSE131M12 – 100 is a 12 circuit 3 phase panelboard with 100 amp main breaker.
Step 3: First digits are the quantity of fuses, second is the fuse ampere rating, and third is the type of fuse.
Example: 115T is 1 fuse, 15 amps, T for time delay fuse
Step 4: Repeat step 3 for as many fuses as required
Step 5: Options: Add option in alphanumeric order as listed PlexPower™ introduction page under Options.

**Panel Size**

| | Dimensions in Millimeters (Inches) | | |
|---|---|---|---|
| | **I1** | **E1** | **G1** |
| **Enclosure** | | | |
| Length | 875 (34.50) | 1130 (45.00) | 1500 (60.00) |
| Width | 750 (30.00) | 750 (30.00) | 750 (30.00) |
| Depth | 250 (10.00) | 250 (10.00) | 250 (10.00) |

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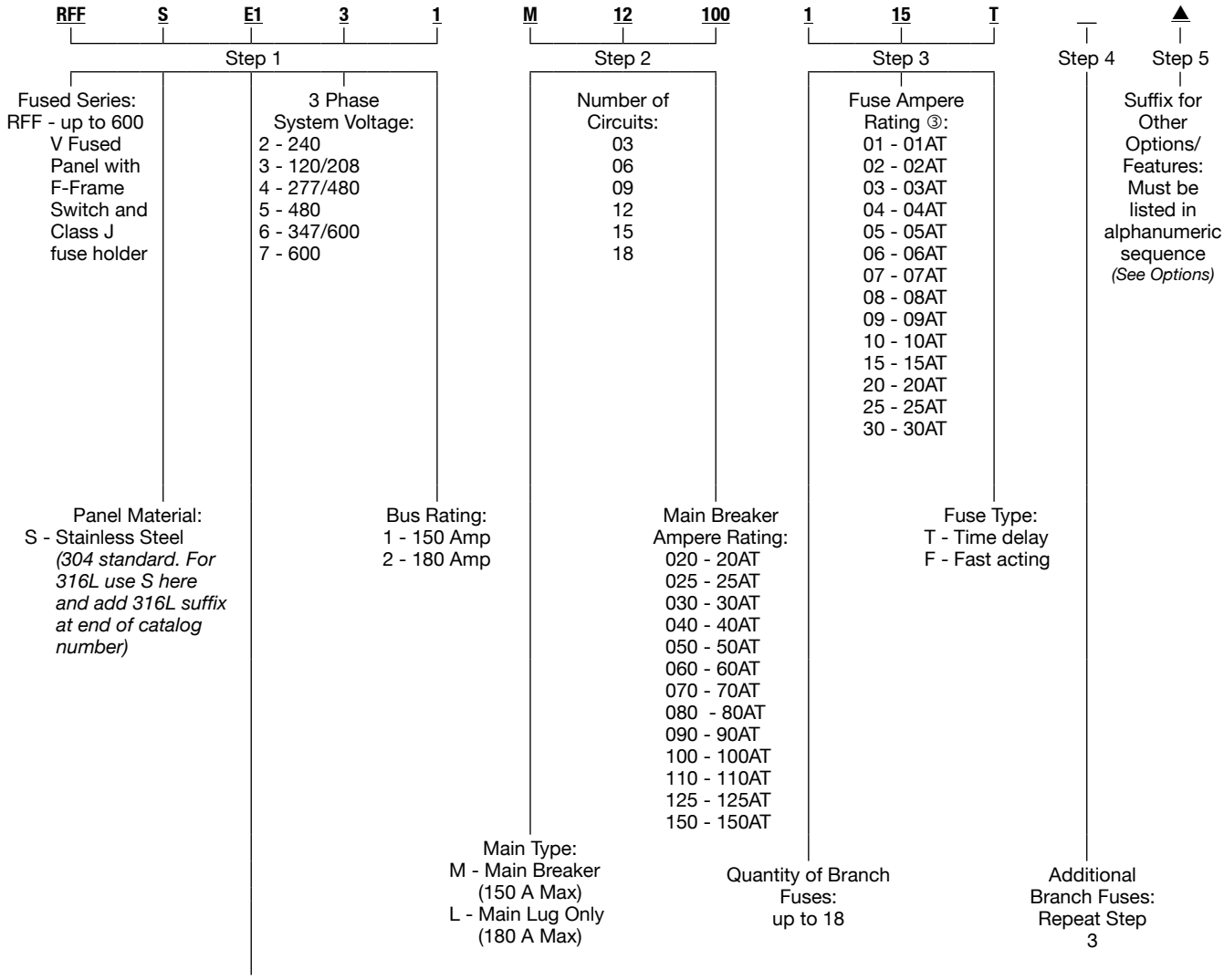
**Catalog Numbering Guide**




Panel Size: Select enclosure based on number of circuits

| Bus Amps | Main Type | I1 875x750x250 | E1 1130x750x250 | G1 1500x750x250 |
|---|---|---|---|---|
| 180 | Main Lugs | 03, 06, 09 | 12, 15 | 18 |
| 150 | Main Breaker | 03, 06 | 09, 12 | 15 |

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③ *Fast acting fuses are available in the following amperages: 1, 3, 6, 10, 15, 20, 25 and 30.*

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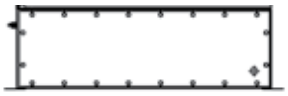
**Dimensions in Millimeters (Inches)**

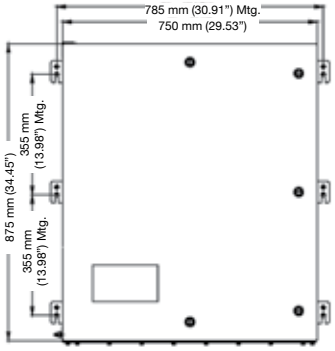
**Size I 09 Circuit — With Main Lugs**

**Top View**

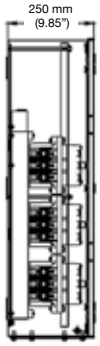
**Bottom View**



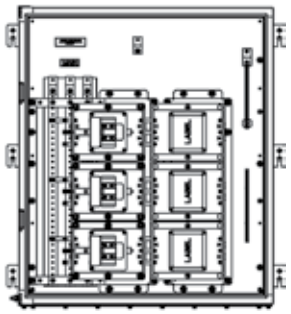
**Front View**




**Side Internal View**



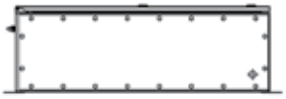

**Internal View**



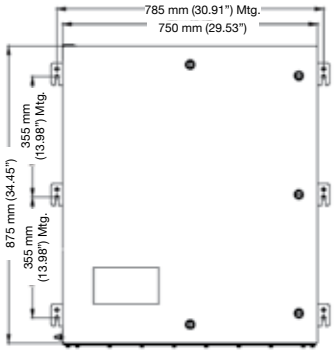
**Size I 06 Circuit — With Main Breaker**

**Top View**

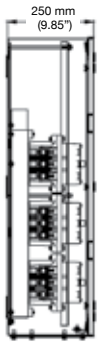
**Bottom View**



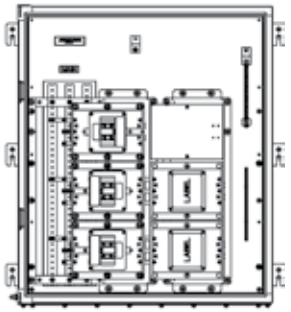
**Front View**




**Side Internal View**




**Internal View**



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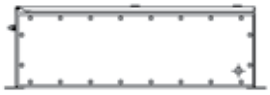
**Dimensions in Millimeters (Inches)**

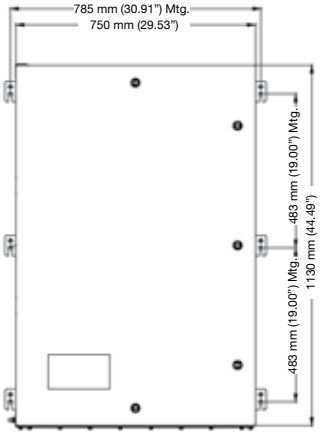
**Size E 15 Circuit — With Main Lugs**

**Top View**

**Bottom View**

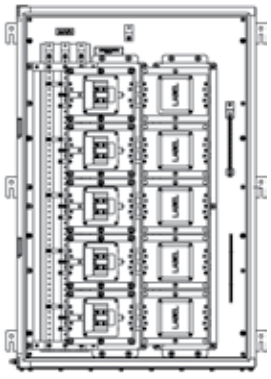


**Front View**




**Side Internal View**

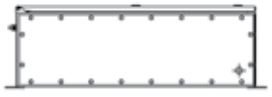

**Internal View**



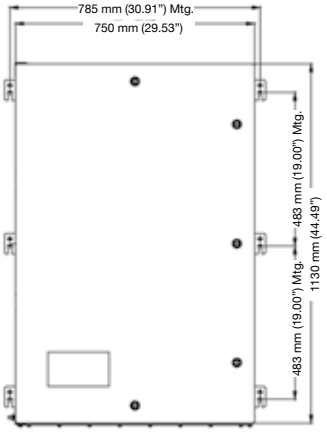
**Size E 12 Circuit — With Main Breaker**

**Top View**

**Bottom View**

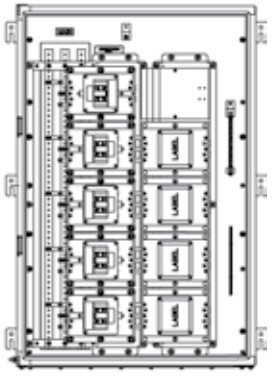


**Front View**




**Side Internal View**


**Internal View**



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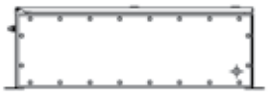
**Dimensions in Millimeters (Inches)**

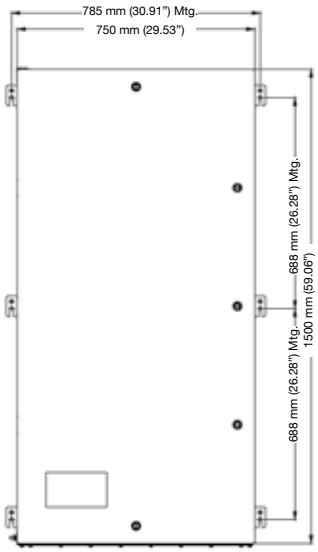
**Size G 18 Circuit — With Main Lugs**

**Top View**

**Bottom View**

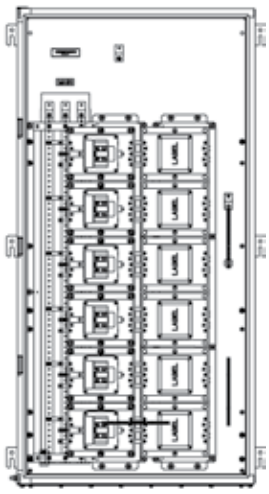


**Front View**




**Side Internal View**


**Internal View**

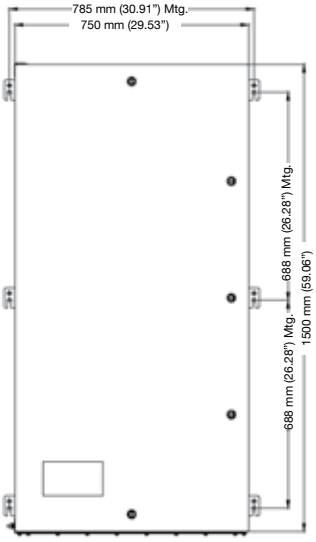


**Size G 15 Circuit — With Main Breaker**

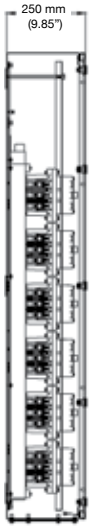
**Top View**

**Bottom View**

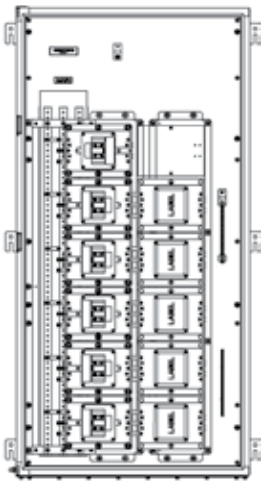
**Front View**




**Side Internal View**




**Internal View**



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