

# DEAD FRONT SWITCHBOARDS

(UL 891)



**GENERAL SWITCHGEAR INC.**

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## Breaker Ratings

| Frame Size                    | Trip Rating     | Trip Type* | Maximum Interrupting Current |         |         | Mounting Space | Minimum Width |
|-------------------------------|-----------------|------------|------------------------------|---------|---------|----------------|---------------|
|                               |                 |            | 240 VAC                      | 480 VAC | 600 VAC |                |               |
| Group Mounted Breakers        |                 |            |                              |         |         |                |               |
| 150 A                         | 15 A - 150 A    | T/M        | 150 kA                       | 85 kA   | 25 kA   | 5%             | 38"           |
| 250 A                         | 40 A - 250 A    | Electronic | 150 kA                       | 100 kA  | 35 kA   | 5%             | 38"           |
| 400 A                         | 160 A - 400 A   | Electronic | 150 kA                       | 100 kA  | 35 kA   | 6%             | 38"           |
| 600 A                         | 240 A - 600 A   | Electronic | 150 kA                       | 100 kA  | 42 kA   | 8%             | 38"           |
| 800 A                         | 320 A - 800 A   | Electronic | 150 kA                       | 100 kA  | 42 kA   | 8%             | 46"           |
| 1200 A                        | 400 A - 1200 A  | Electronic | 150 kA                       | 85 kA   | 50 kA   | 16%            | 46"           |
| Individually Mounted Breakers |                 |            |                              |         |         |                |               |
| 1600 A                        | 640 A - 1600 A  | Electronic | 120 kA                       | 100 kA  | 85 kA   | 50%            | 30"           |
| 2000 A                        | 800 A - 2000 A  | Electronic | 120 kA                       | 100 kA  | 85 kA   | 50%            | 30"           |
| 2500 A                        | 1000 A - 2500 A | Electronic | 120 kA                       | 100 kA  | 85 kA   | 50%            | 30"           |
| 3000 A                        | 1200 A - 3000 A | Electronic | 150 kA                       | 100 kA  | 85 kA   | 50%            | 30"           |
| 4000 A                        | 1600 A - 4000 A | Electronic | 150 kA                       | 100 kA  | 85 kA   | 100%           | 38"           |

\* T/M - Thermal Magnetic Trip Unit. Electronic Trip Units available with LI, LSI and LSIG adjustments.

## Switchboard Section Ratings

| Voltage Ratings |                  | Current Ratings | Bus Bracing |
|-----------------|------------------|-----------------|-------------|
| 120/240 V, 1Ø3W | 480 V, 3Ø3W      | 800 A           | 50,000 A    |
| 240 V, 3Ø3W     | 480Y/277 V, 3Ø4W | 1200 A          | 100,000 A   |
| 208Y/120 V 3Ø4W | 600 V, 3Ø3W      | 2000 A          | 150,000 A   |

Other ratings available. Consult GSI for additional information.

## Dimensions (Foot-Print)

| Maximum Breaker Frame         | Indoor (NEMA-1) |       |        |           | Outdoor (NEMA-3R) |       |        |           |
|-------------------------------|-----------------|-------|--------|-----------|-------------------|-------|--------|-----------|
|                               | Width           | Depth | Height | Weight    | Width             | Depth | Height | Weight    |
| Group Mounted Breakers        |                 |       |        |           |                   |       |        |           |
| ≤600 A                        | 38"             | 15"   | 90"    | 1,000 lbs | 38"               | 21"   | 91.5"  | 1,200 lbs |
| ≥800 A                        | 46"             | 15"   | 90"    | 1,200 lbs | 46"               | 21"   | 91.5"  | 1,400 lbs |
| Individually Mounted Breakers |                 |       |        |           |                   |       |        |           |
| 2000 A                        | 30"             | 24"   | 90"    | 1,000 lbs | 30"               | 30"   | 91.5"  | 1,200 lbs |
| 3000 A                        | 30"             | 30"   | 90"    | 1,500 lbs | 30"               | 36"   | 91.5"  | 1,700 lbs |
| 4000 A                        | 38"             | 48"   | 90"    | 2,000 lbs | 38"               | 54"   | 91.5"  | 2,200 lbs |

Custom dimensions are available. Consult GSI for details.

## Features

### Standard Features

- UL Label.
- Lugs on load terminals.
- Copper bus.
- 14 gauge HRPO steel enclosure.
- Painted ANSI 61, light gray with epoxy primer and polyurethane enamel.
- Structural steel base with bitumen compound on outdoor enclosures.

### Available Options

- Service Entrance Equipment.
- Key interlocks.
- User metering and control.
- Utility metering.
- 100 % rated breakers.
- Motor operated breakers.
- Auxiliary contacts on breakers.
- Shunt trip on breakers.
- Under voltage trip on breakers.
- Alarm contacts on breakers.
- Special color paint.
- 10 or 12 gauge HRPO steel enclosure.
- Rear doors on outdoor enclosure.
- Bottom plates.
- Galvanized steel base.
- Pull box.
- Transformer connection.