Critical Power Panel

Class J

ENGINEERED PANELS

MEET CODE REQUIREMENTS WITH MERSEN'S FUSED SWITCH CRITICAL POWER PANELBOARD (CPP)

Protect critical power systems with Mersen's Critical Power Panel series panelboard. This panelboard is designed with high importance applications in mind. These benefits lead to a panelboard that is easy to apply, install, and maintain while serving your most important electrical loads.

This UL 67 panelboard has multiple options for switched fused mains, up to 400A, featuring Mersen's UL 98 rated Compact Fused Disconnect and Amp-Trap 2000® Class J fuses for branch circuit protection. Fuses can be changed for the application to offer more time delay or faster protection based on the application. The panel, main, and branch circuits can be applied up to 600VAC or 125VDC.



FEATURES/BENEFITS

Branch Circuit Protection

- Resettable overload protection
- True class J protection

Two Branch Fuse Sizes

- 15A to 30A AJT Fuses
- 35A to 60A AJT Fuses

Width

- 20″ wide

Main Options

- Main Lug Only (MLO)
- Main non-fused switch
- Main fused switch
- Up to 42 Branch Circuits per Panel:
  - 30A J series: 24CKT, 36CKT, 42CKT
  - 60A J series: 6CKT, 12CKT, 24CKT
  - Hybrid 30A/60A J series: 24CKT/6CKT, 24CKT/12CKT

Main Bus

- Copper bus
- Patented "Z" Bus Bar

Enclosures

- NEMA 1

Optional Features

- UL 1449 Listed surge protective devices (required per NEC 700.8)

RATINGS

- **Volts:** 120/208V, 3Ø, 4-wire; 120/240V, 1Ø, 3-wire; 277/480V, 3Ø, 4-wire; 347/600V, 3Ø, 4-wire
- **Amps:** Main Bus Ampacity ranges from 250A to 400A
- **Number of Circuits:** Up to 42 circuits per panel
  - 30A J series: 24CKT, 36CKT, 42CKT
  - 60A J series: 6CKT, 12CKT, 24CKT
  - Hybrid 30A/60A J series: 24CKT/6CKT, 24CKT/12CKT
- **SCCR:** 200kA@600V

APPROVALS/STANDARDS

- UL 67 Listed Panelboard
- UL 50 Listed Enclosure
- Meets NEC® selective coordination code requirements for the following power systems:
  - 700.8 (Emergency)
  - 700.27 (Legally Required Standby)
  - 708.54 (Critical Operations)

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STANDARD PANEL HIGHLIGHTS

- Easy selectivity ratios with upstream fuses
- Voltage: 120/208, 120/240, 277/480, 347/600
- Main Bus: 250A or 400A
- Main Disconnect: MLO, Fused Main or Non-Fused Main
- SCCR: 200kA
- Surge Protection (SPD) optional
- Up to 42 branch circuits per panel
- Standard 20" wide
- Feed through lugs optional
- Surface mount
- Uses commonly available class J fuses

MAIN

- Up to 400A Fused Main Disconnect
- Allows for panel isolation
- Lockout provision
- Visible contacts
- Interlocked with cover

AMP-TRAP 2000® FUSES MAIN FUSE

- Time Delay
- 2:1 coordination ratio
- 600VAC interrupting rating 200kA

BRANCH CIRCUITS

- AJT fuses open short circuit currents
- Circuits up through 60A J 1, 2 & 3 pole
- True Class J protection
- Compact Fused Disconnect incorporates switch functionality with the high protection of a fuse
- Max interrupting rating of 200kA
- UL 98 Listed

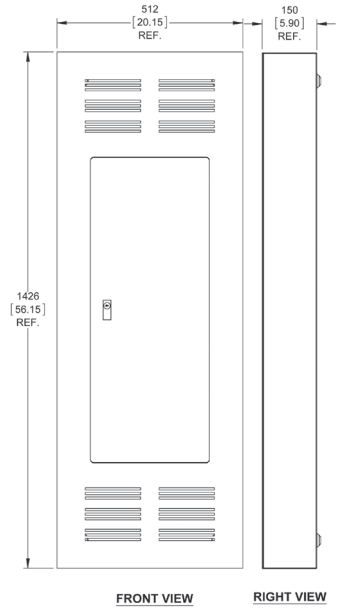
DIMENSIONS (STANDARD NEMA 1 ENCLOSURES)

For standard panels

- Width = 20 inches
- Depth = 6 inches
- Height varies depending on number of circuits and main options

NEMA 1 ENCLOSURE SPECIFICATIONS

- **Tub:** Galvanized unpainted steel. One endwall is provided with knockouts, and the other endwall is blank.
- **Door:** Equipped directory card, flush mount lock
- **Trim and Door Finish:** ANSI 49 grey baked enamel electrodeposited over cleaned, phosphatized steel





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