

Electrical Panelboard Retrofit and New Replacement Solutions

AC & DC panelboards are vital to the operations of nuclear plants, providing both control and current protection. The reliability of your power distribution system is critical, and the consequence of an obsolete breaker failing is significant. AREVA can help you manage these risks.

When faced with obsolete panelboard issues, AREVA can assist you with a custom solution for a retrofit or a replacement to upgrade the performance of your electrical systems to meet your current needs. AREVA has provided Class 1E qualified custom panelboards built to meet specific needs.

Save time and money by using existing panelboard enclosures and conduit runs. Our safety-related retrofit solutions including custom buswork can fit into your existing enclosures with equipment configured to your precise specifications for most any manufacturer's existing panelboard enclosure. This custom fit results in ease of installation, reducing cost and risk. Retrofits can be a cost-effective solution to address obsolete components, loose connection, heating concerns, upgrading protective device interrupting ratings, and providing additional load growth. AREVA uses new replacement panelboards manufactured by Eaton, the world leader in breaker technology.

In addition to the equipment, AREVA can offer the engineering analysis for short circuit coordination, voltage drop, and equivalency evaluation up to a complete Engineering Change package to support your upgrade.



Features and Benefits

- Manage overall costs
- Custom buswork, configurations and dimensions
- High-quality products, delivered on time
- Complete documentation
- Accelerated shipping offered
- Special enclosures and paint finishes
- Control panels to UL 845, 508 and 508A standards
- Panelboards up to 1200 amperes

Specifications – Circuit Breakers or Fusible Switches

240, 480 or 600 Vac; 600 Vdc Maximum
Main lugs only
1200A maximum

Main circuit breaker
1200A maximum

Main fusible switch
1200A maximum

Branch circuit breakers
1200A maximum
Single-, two- and three-pole

Branch fusible switches
1200A maximum
Two- and three-pole

Engineering Solutions to Improve Performance

AREVA can customize a solution to fit your needs, including a full solution of custom products, design verification testing, seismic testing, commercial grade dedication, project management, installation and modification engineering. AREVA delivers integrated engineering solutions to improve your plant's performance.



AREVA Inc.

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