

Low Voltage Replacement (LVR) for K-Line Switchgear Breakers

The Westinghouse Solution

Westinghouse has developed a replacement Low Voltage Breaker Retrofill solution to replace the aging population of K-Line circuit breakers.

Westinghouse has based this solution on the Magnum DS circuit breaker which is a modern breaker that uses a cassette style interface. This is a “retrofill” conversion that includes replacement of the original circuit breaker and circuit breaker compartment components within an existing vertical section. The breaker solution has been seismically qualified and will be commercially dedicated for use in safety related applications.

Customer Benefits

Westinghouse continues to be leading innovator in the area of low voltage switch gear and breakers in the nuclear industry. As with all of our breaker solution, the K-LINE LVR breaker is backed with our 50+ years of experience in breaker solutions.

Westinghouse's maintains it's own internal breaker shop such that all low voltage breaker solutions are processed through our facility by our nuclear qualified



Design Detail

- The old breaker rails are removed and a new cassette frame is installed utilizing the existing rail mounting holes.
- Magnum DS Circuit Breaker technology can greatly reduce maintenance commonly seen on with vintage power circuit breakers
- The modular design of the breaker is allows major components such as, arc chutes, contacts, mechanism and control parts can easily be inspected.
- With its simplistic construction, minor maintenance such lubrication of the mechanism can be easily accomplished.
- Each new breaker includes a new door
- Available for K600, K800 and K1600 applications



www.info.westinghousenuclear.com/westinghouse-parts-business

Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, PA 16066
www.westinghousenuclear.com

Date 2022
2026 Westinghouse
Electric Company LLC.
All Rights Reserved



Why Westinghouse

There are several benefits that the end user can realize with performance of this upgrade.

- Aging cell components are replaced with a new Magnum DS cassette and secondary terminal blocks.
- Old, high maintenance breakers are replaced with new Magnum DS circuit breakers.
- Spare parts and support are readily available.
- Existing cabling and main bus structures are left undisturbed.
- Down time and installation costs are drastically reduced compared to new switchgear installation.

Trusted Solutions

From small to large

Whether your project involves new construction or existing equipment, for a nuclear plant or a government facility, Westinghouse provides high-quality, nuclear qualified solutions and products that meet the original design and qualification of your plant.

Global to local

Our cost-effective, high-quality, nuclear-grade replacement parts provide global operators of various reactor designs with solutions for electrical, mechanical, and instrumentation & control systems.



From Westinghouse's proprietary innovations to designs around the world

Westinghouse has a rigorous commercial-grade dedication process and a robust quality assurance program for detecting and monitoring counterfeit, fraudulent and suspect replacement parts and components. And our industry-leading experts are available 24/7 to support your plant needs

www.info.westinghousenuclear.com/westinghouse-parts-business

Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, PA 16066
www.westinghousenuclear.com

Date 2022

2026 Westinghouse
Electric Company LLC.
All Rights Reserved

