



SUBSTATION CONNECTORS

EHV/UHV

PLP is a recognized world leader in designing, developing, and manufacturing innovative substation connectors for high-voltage, extra-high-voltage, and ultra-high-voltage applications up to 1100 kV. We collaborate globally with a diverse range of utilities and contractors to provide expertly tailored solutions that meet the unique demands of complex substation configurations and high-current applications. Our extensive network of offices and manufacturing facilities in over 20 countries enables us to deliver high-quality, reliable solutions while ensuring unparalleled service to our customers, regardless of the project's location.

FEATURES AND BENEFITS

- Specialized connectors rated for EHV and UHV
- Custom-tailored solutions for complex substation configurations
- Designs that minimize corona shield requirements
- Seismic design expertise
- Products tested to stringent industry standards: IEC 61284, ANSI C119.4, and NEMA-CC1
- Worldwide engineering and technical support services
- Advanced laboratory testing and quality control capabilities



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Product Offering

- Complete line of bolted, welded, and compression fittings
- Grounding products and accessories
- String hardware and lightning protection products
- Corona shielding and protection

Industry-Leading Expertise and Technical Support

- Premier manufacturer of high-quality substation connectors for over 30 years
- Extensive design expertise for avoiding hot spots
- Preventative maintenance recommendations based on residual lifetime analysis
- Global expertise in extra-high-voltage connectors for all climates

Superior Quality and Product Design

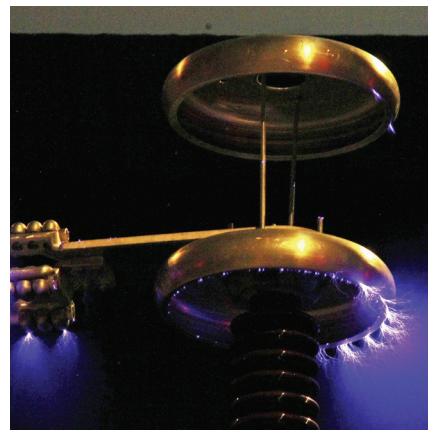
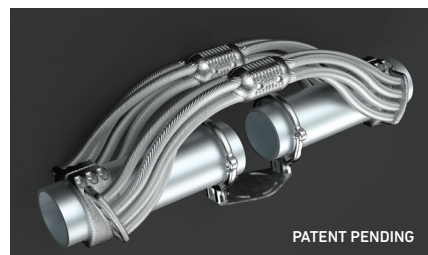
- Extra-high-grade steel hardware offers higher joint forces
- Captive hardware designs for easier installation
- Machined and adapted contact surfaces for superior connections
- EHV/UHV designs based on extensive calculations, testing, and field expertise
- Expansion joint designs without additional corona rings up to 765 kV

Critical Seismic Design Expertise

- Finite Element Analysis (FEA) calculations to predetermine stress loads
- Motion simulations and analysis for potential seismic conditions
- Various seismic designs, from heavy-duty rigid connectors to telescopic busbars
- Flexible conductor design in expansion connectors provides reduced mechanical stress and optimized current distribution

Innovative Solutions and Adaptable Designs

- Over 10,000 connector types available to support diverse global substation needs and various electrical parameters
- Creation of connector location plans and bill of materials based on your CAD layout
- Expertise in optimized solutions through innovative designs
- Rapid prototyping and advanced manufacturing capabilities



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