

High-Voltage Power System Testing Equipment

This equipment is designed for testing AC transmission and distribution equipment up to 1000kV. It performs long-term temperature rise tests with 21kA power frequency current and withstands 140kA rated short-time current (4s, peak) and 350kA rated peak current.



Overview

High-Voltage Power System Testing Solutions

This advanced testing equipment is engineered for high-voltage and high-power applications, supporting critical infrastructure research and development. Designed to meet international IEC and CIGRE technical standards, it provides high-capacity diagnostic capabilities for UHVDC and UHVAC transmission systems. The system offers exceptional performance for testing large-scale power equipment in professional industrial environments.

Testing Capabilities

High Current Testing Capacity

21 kA

Power Frequency Current (Temp Rise)

140 kA

Rated Short-Time Withstand Current

Short-time withstand duration

4 s

Standards & Compliance

Technical Standards

IEC, CIGRE, IEC TC17, IEC TC42, IEC TC28

System Compatibility

Compatible Transmission Systems

- ± 800 kV UHVDC system
- 1000kV UHVAC system