

# UHV AC Power Transmission System Test Facility

This ultra-high voltage alternating current (UHV AC) test base is designed for validating UHV AC power transmission systems. It ensures reliability and efficiency in long-distance electricity delivery.



## Facility Overview

### UHV AC Transmission Testing Capability

The Ultra-High Voltage (UHV) AC Power Transmission System Test Facility serves as a critical pilot demonstration project for advanced grid infrastructure. It provides comprehensive testing conditions and validation capabilities essential for the construction and long-term development of high-capacity power networks. The facility is equipped to ensure the reliability, safety, and efficiency of power delivery across long distances.

### Operational Status

Fully Operational • World-Class Infrastructure

## Technical Infrastructure

### Facility Components

- Power transmission towers
- Substation infrastructure
- High-voltage transmission lines
- Transformers
- Circuit breakers
- Advanced control systems

### Performance Records

12 World Records