

AC RESONANT PD TEST SYSTEM

FOR AC VOLTAGE WITHSTAND TEST, PD TEST AND LONG-DURATION CABLE TEST

Application

The AC resonant test system is used for AC withstand voltage testing and partial discharge testing of XLPE power cables and other high-voltage products. The system uses adjustable reactors to match the capacitance of the test object and achieve resonance, reducing input power and improving test efficiency.

Key Features

- Designed for AC withstand voltage and partial discharge testing.
- Low partial discharge level for accurate HV cable testing.
- Modular system configuration according to voltage and capacity requirements.

Main Technical Parameters

Rated voltage	100kV~1500kV(and above)
Rated Capacity	300kVA ~ 30000kVA(and above)
Noise	≤ 75dB(2 meters away from equipment)
Q Factor	$Q \geq 20 \sim 100$
Partial Discharge	≤ 2 pC at 80% rated test voltage
Load	under rated capacity, 1 hour on, 1 hour off, 3 ~ 6 times per day; under 50% capacity, continuous. Operation (Or we design as per customer requirement)

