



HTXZ Variable Frequency Series Resonant System



Product Introduction

The complete set of frequency conversion series resonance test equipment is mainly used for ac withstand voltage test of cross-linked cable, hydraulic generator, main transformer, bus, GIS, etc. It has a wide range of application and is an ideal withstand voltage equipment for local, municipal and count-level high voltage test departments and electric power installation, repair and test engineering units.

The complete set of frequency conversion series resonance test equipment is mainly composed of frequency conversion control power supply, excitation transformer, reactor, capacitor voltage divider and compensation capacitor (optional).

Product Parameters

Rated output voltage	0~1000kV and below
output frequency	30~300Hz
Resonance voltage waveform	Pure sine wave, waveform distortion rate \leq 1.0%

Working time	Full power continuous working time of 60min
Quality factor	30~90
Frequency regulation sensitivity	0.1Hz
Instability	<0.05%
Working power supply	Single-phase 220V or three-phase 380V±10%
	Power frequency 50Hz±5%

Product model name	Variable frequency source	Resonant reactor	Exciter transformer	Voltage divider	Scope of application
HTXZ-50/50	4kW	25kV/1A two(dry)	4kVA(dry)	50kV	1000kVA and below 10kV power transformer. 10kV switch , bus, PT, CT, etc. 10 kv (300mm ²) cable 1.0 km or less
HTXZ-108/108	6kW	27kV/1A four(dry)	6kVA(dry)	110kV	31500kVA and below 35kV power transformer. 35kV switch , bus, PT, CT, etc. 10 kv (300 mm ²) cable≤2km.35kV (300mm ²) cable≤0.5km
HTXZ-200/200	10kW	50kV/1A four(dry)	10kVA(dry)	200kV	50000kVA and below 110kV power transformer.110kV GIS、PT、CT etc.(Preventive test).35kV(300mm ²) cable≤1.0km.10kV (300mm ²) cable≤2.0km
HTXZ-270/270	15kW	45kV/1A Six sets of(dry)	15kVA(dry)	300kV	50000kVA and below 110kV power transformer.110kV GIS、PT、CT etc..35kV(300mm ²) cable≤1.2km.10kV (300mm ²) cable≤3.0km
HTXZ-800/400	30kW	50kV/2A eight(dry); 100kV/2A four(oil-immersed)	30kVA(dry); 30kVA(oil-immersed)	400kV	80000kVA and below 220kV power transformer.50000kVA and below 110kV power transformer.110kV/220kV GIS、PT、CT etc..35kV(300mm ²) cable≤2.0km.110kV (300mm ²) cable≤0.7km
HTXZ-1600/800	60kW	200kV/2A four(oil-immersed)	60kVA(dry)	800kV	220kV power transformer of 80000kVA and below.50000kVA and below 110kV power transformer.500kV GIS、PT、CT etc..220kV switch、GIS、PT、CT etc..110kV(400mm ²) cable≤1.5km.220kV (400mm ²) cable≤1.0km

Product features

- 1、 The reactor of the same voltage grade and capacity has smaller volume and lighter weight. Small temperature rise at rated load; Dry pouring, high mechanical strength, good electrical insulation, beautiful and reliable.
- 2、 Large capacity margin of frequency conversion power control box; Strong protection function; Good output waveform; Good stability; With a variety of working modes, easy to operate; Single-phase 220V or three-phase 380V input power supply is common, which is convenient for on-site power collection.
- 3、 Flexible configuration. Can choose different types of reactor, meet the requirements of different test products, achieve a multi-purpose, cost-effective.