

IMPULSE VOLTAGE TEST SYSTEM

Application

The system is used for lightning and switching impulse voltage tests of power cables, transformers, HV switchgear and other high-voltage products.

Key Features

Suitable for lightning and switching impulse voltage tests.

Applicable to power cables, transformers, HV switches and other HV products.

NI or PLC-based automatic control with multiple protection measures.

High-speed and high-resolution measurement configuration.

Main Technical Parameters

Rated Voltage	$\pm 100\text{ kV}$ -6000 kV and above		
Rated Energy	2.5 kJ-1200 kJ		
Stage Voltage	$\pm 100\text{ kV}$, $\pm 200\text{ kV}$		
Standard Lightning Impulse	1.2/50 μs		
Impulse Waveform	Efficiency 85~90%	(1.2 $\pm$ 30%/50 $\pm$ 20% μs)	
Switching Impulse	250/2500 μs	Efficiency 65~70%	(250 $\pm$ 20%/2500 $\pm$ 60% μs)

