

Wuhan ZGF Integrated DC Hipot Test Set



I. Introduction

The instrument adopts high frequency voltage doubling circuit, using the latest PWM pulse width modulation technology and the voltage and current double closed loop feedback technology to improve the power supply adjustment rate and load regulation rate, so that the voltage stability is high, the ripple is small. The high quality and portability of DC high voltage generator is realized by using imported high power IGBT device and its driving technology to eliminate the interference of the switch. The selection of imported high-frequency high-voltage rectifier diodes makes the cylinder more compact and lightweight, to enhance the efficiency of the whole machine. This instrument adopts the integral design scheme: cylinder and the host are placed in a box, combined with the latest technology, selection of the new device, small size, high power, light weight, convenient operation, safe and reliable, high quality of power output, is the ideal test instrument for high voltage testing industry.

II. Features

1. Output voltage stable: using the latest PWM pulse width modulation technology and the voltage and current double closed loop feedback technology to improve the power supply adjustment rate and load regulation rate, the ripple is small.
2. Comprehensive protection: complete protection functions, with zero protection, over-voltage protection, over-current protection, breakdown protection, circuit protection using nanosecond special sensor, fast and reliable action, effective protect personal and equipment safety.
3. 0.75U function: add intelligent high precision 0.75U function button, press this button, the voltage and current automatically to the 0.75U state, which is conducive to zinc oxide arrester test.
4. Voltage stepping from zero: boost potentiometer zero boost, the use of imported multi circle potentiometer, boosting process is stable, high precision adjustment.
5. Over-voltage setting: use digital dial switch, easy to operate, and has a high setting accuracy.
6. Integral design: cylinder and the host are placed in a box. Use imported high-frequency high-voltage rectifier diodes, cylinder with compact size, improve the efficiency of the whole machine, easy to carry.

7. Reliable performance: the key components are high performance imported components, the outer surface of the cylinder is coated with special insulation materials, good electrical performance, strong moisture capacity, no leakage.

8. The operation is simple: the instrument interface each function key, the layout is reasonable, the instruction is clear, easy to learn and use.

III. Parameters

Model	60/2	60/3	60/5	120/2	120/3
Rated voltage (kV)	60	60	60	120	120
Rated current (mA)	2	3	5	2	3
Rated power (W)	120	180	300	240	360
Weight (kg)	9			10	
Dimension (mm ³)	465*390*190			565*390*190	
Voltage cylinder height (mm)	440			535	
Output voltage accuracy	$\pm(1.0\%R\pm 2D)$				
Output current accuracy	$\pm(1.0\%R\pm 2D)$				
Ripple factor	$\leq 0.5\%$				
Working mode	Intermittent use, 30 minutes under rated load				
Over-load capacity	The no-load voltage can exceed the rated voltage 10% for 10 minutes.				
	The maximum charge current is 1.25 times of the rated current.				
Power	AC220V $\pm 10\%$ 50HZ				
Service conditions	Temperature: -10-40°C				
	Relative humidity: less than 85% under 25°C, without moisture				
	Altitude<1500m				

IV. Accessories





Limiting Resistor



Discharge Rod



Dedicated Four-core Cable



HV Wire



Manual, Report, Certificate