



ZGF DC Hipot Tester



Product Introduction

ZGF series Series dc high voltage generators adopts high frequency voltage doubler circuit, adopts advanced PWM high frequency pulse width modulation technology, closed loop adjustment, and adopts large voltage feedback, which greatly improves voltage stability. Use high-power IGBT devices and drive technology with superior performance, and adopt special shielding, isolation and grounding measures according to electromagnetic compatibility theory. The Series dc high voltage generators are made of high quality, portable, and capable of withstanding rated voltage discharge without damage. It has the characteristics of large output power and small volume, reliable over-voltage, over-current and zero-closing protection, with 0.75 times voltage switching function. It is mainly used in the power sector, industrial and mining, metallurgy, steel and other enterprise power departments to conduct DC withstand voltage test or DC leakage current test on high-voltage electrical equipment such as zinc oxide surge arresters, power cables, transformers, circuit breakers and generators.

Product Parameters

Technical Parameters

Specifications	200/2	200/3	200/5	300/2	300/3	300/5
Rated voltage (kV)	200	200	200	300	300	300
Rated current (mA)	2	3	5	2	3	5
Rated power (W)	400	600	1000	600	900	1500
Control box quality (kg)	5.5	6.0	6.5	6.5	6.5	7.5
Pressure cylinder quality (kg)	8.7	9	9	11	11	11.5
Double cylinder height (mm)	970	970	970	1250	1250	1250
Voltage accuracy	±(1.0%Reading + 2 words)					
Current accuracy	±(1.0%Reading + 2 words)					
Ripple coefficient	≤0.5%					
Voltage stability	When the power supply voltage changes by ±10%≤1%					
Overload capability	No-load voltage can exceed 10% of rated voltage for 10 minutes The maximum charging current is 1.25 times the rated current					
power supply	Single phase communication 50Hz 220V±10%					
Way of working	Intermittent use: rated load 30 minutes 1.1 times rated voltage usage: 10 minutes					
Way of working	temperature : -10°C~+40°C Relative humidity: no more than 85% at room temperature of 25 ° C (no condensation) Altitude: below 1500 meters					
With capacitive load capacity	The tested product has unlimited capacity Charged with 1.5 times rated current					
Structural features	Electrical insulation doubler Air insulation, no leakage					
Operating box features	High-precision 0.75UDC1mA one-touch button (accuracy ≤1.0%), suitable for zinc oxide lightning arrester test Overvoltage protection using digital dial switch, at a glance Portable chassis, more convenient on site					

Note:

1. The appearance of the product is subject to the actual product. The Technical Parameters and model numbers are subject to change without notice. If there is misappropriation or copying, legal liability will be pursued.

2. For more information about Huatian products, please enter [Product center](#) . Service email : qiao@hvtest.cc

product features Product Characteristics

- 1、 Series dc high voltage generators have small ripple coefficient, stable and reliable voltage output, no noise, and good reliability
- 2、 with overvoltage, overcurrent, zero voltage start and fault protection, voltage protection value can be set, display intuitive
- 3、 voltage, current using digital display, and power supply has a reading, easy to monitor the output status
- 4、 with 0.75 times voltage conversion, easy to test zinc oxide arrester
- 5、 the product structure is compact, small size, easy to carry