

RDZG DC High Voltage Generator

RDZG DC high voltage generator adopts PWM high frequency pulse width modulation technology for closed-loop adjustment, with high voltage stability, small pulsation factor and fast and reliable protection circuit. The display adopts green backlight and wide temperature liquid crystal



display, which can clearly display data in strong light and dark. DuPont new filling material is used for high pressure parts, which makes the product performance more stable and reliable. The products are widely used in preventive experiments and scientific research institutes of power generation and power supply departments, power transmission and transformation engineering companies and large-scale factories and mining enterprises as DC high-voltage regulated power supply.



Product Features

1. PWM high frequency pulse width modulation technology is adopted for closed-loop adjustment, with high voltage stability, small ripple factor, and fast and reliable protection circuit, which can withstand the direct discharge of large capacitance sample to the ground, and the whole machine is small in size, light in weight, and convenient for field use.
2. Full range linear smooth voltage regulation, voltage regulation accuracy is better than 0.1%; voltage measurement accuracy is 0.5%, resolution is 0.1kV; current measurement accuracy is 0.5%, minimum resolution: control box 1 μ A, anti-impact ammeter 0.1 μ A
3. The power supply is 220V (AC220V \pm 10%, 50Hz \pm 1%) , and the pulsation factor is less than 0.5%. It can be used all day at work.
4. The high-pressure multiplier adopts DuPont material all solid packaging, which overcomes the inconvenience caused by air and oil filled equipment. Wide base,

light quality outer tube, stable placement, more convenient maintenance.

5. 75%MOA voltage conversion button, test arrester is simple and convenient.
6. It has over-voltage setting function, over-voltage value is displayed in the adjustment process, and perfect over-voltage, over-current and short-circuit discharge protection function. It's the best companion for cable test.
7. It has perfect protection function of disconnection and non-zero potential starting, so that the operator and the test object can be protected safely at any time. Shockproof control box overall design, simple and clear panel design and operation sound prompt.



Product Specifications and Technical Parameters

Voltage kV Current mA	Control box			DC high voltage generator	
	Rated voltage	External dimension (mm)	Weight (kg)	External dimension (mm)	Weight (kg)
60/2-10	60kV	310*250*230	5	470*260*220	6
80/2-10	80kV	310*250*230	6	490*260*220	8
100/2-10	100kV	310*250*230	6	550*260*220	8
120/2-10	120kV	310*250*230	7	600*260*220	10
200/2-5	200kV	310*250*230	8	1000*280*270	20
250/2-5	250kV	310*250*230	8	1130*290*270	20
300/2-5	300kV	310*250*230	9	1300*290*270	22
350/2-5	350kV	310*250*230	9	1370*290*270	24
Output polarity	Negative voltage polarity, zero voltage start, linear continuous adjustable				
Working power supply	50HZ AC220V±10%				
Voltage measurement accuracy	± 0.5% ± 2 words, minimum resolution 0.1kv, measurement range (range 10% to 1.1 times of range)				
Current measurement accuracy	± 0.5% ± 2 words, minimum resolution: 0.1 μ a for anti-impact ammeter, 1 μ a for control box, measuring range (10% of range to full scale).				
Ripple coefficient	≤0.5%				

Voltage stability	Random fluctuation, $\leq 0.5\%$ when the grid voltage changes $\pm 10\%$
Operation mode	Intermittent working system, less than 30 minutes under rated load
Working conditions	Temperature: 0-40 °C, humidity less than 90%
Storage conditions	Temperature: -10°C~40°C, humidity less than 90%
Altitude	Below 3000 meters

Note: external dimension of DC high voltage generator = diameter of equalizing cover (R) * diameter of insulating cylinder (R) * total height (H)