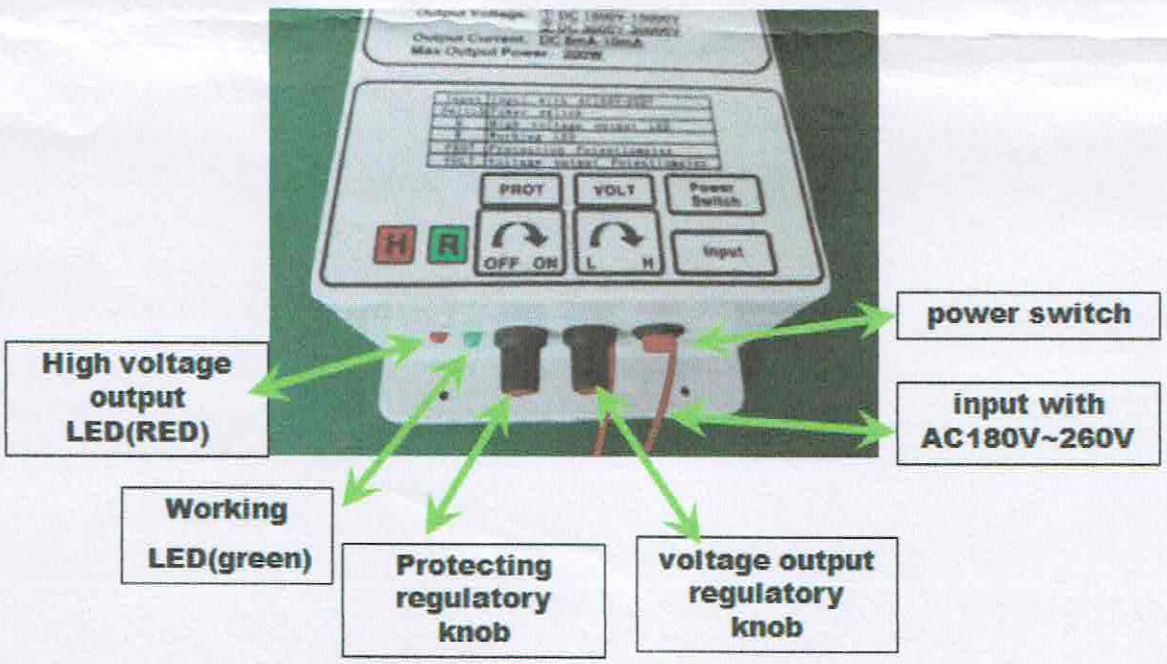
User Manual

The main parameters:

Model	Input Voltage	Output Voltage	Output Current	Max Output Power	
CX-50TA	AC:180V～250V (50/60Hz)	DC:1KV～10KV	0mA～5mA	50W	☑
CX-150A	AC:180V～250V (50/60Hz)	DC:2KV～15KV	0mA～10mA	100W	☐
CX-300A	AC:180V～250V (50/60Hz)	DC:3KV～30KV	0mA～10mA	200W	☐
CX-400A	AC:180V～250V (50/60Hz)	DC:5KV～40KV	0mA～10mA	400W	☐



How to use the high voltage power supply

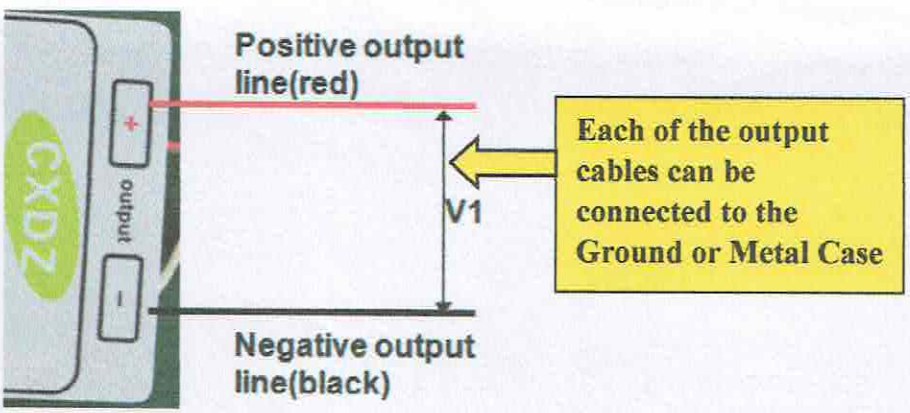
Step1

Please make sure the high voltage output line is connected to a load, the red line and white line are the positive high voltage output ,and the black line is the negative high voltage output .

Warning

The high voltage output must be connected to a load when the HV supply is working.otherwise it's High voltage transformer may be broken down with over voltage output.

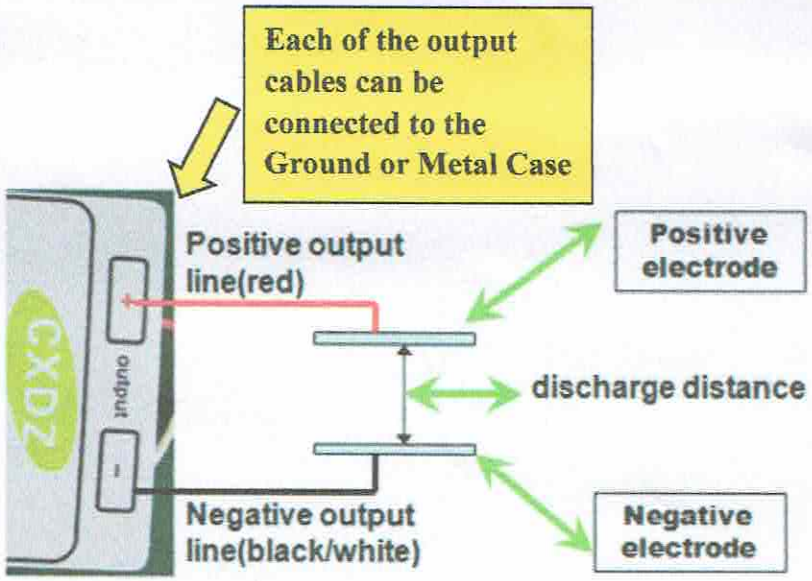
Step1



The Output Voltage between the positive output and the negative output are as follows:

Model	Output Voltage (V1)
CX-50TA	DC: 1KV～ 10KV
CX-150A	DC: 2KV～ 15KV
CX-300A	DC: 3KV～ 30KV
CX-400A	DC: 5KV～ 40KV

Step1



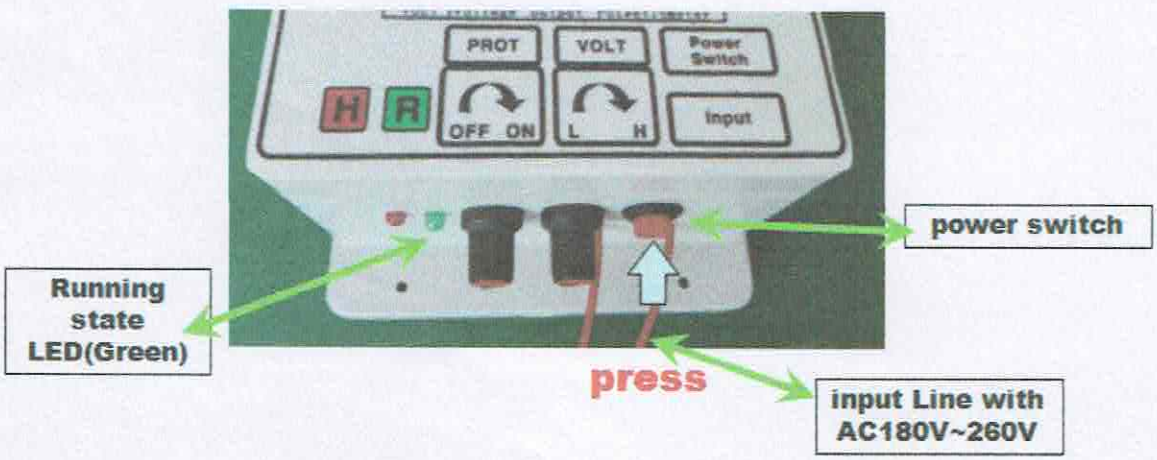
The discharge distance between the positive electrode and the negative electrode are as follows:

Model	Discharge Distance
CX-50TA	≤2cm
CX-150A	≤3cm
CX-300A	≤4cm
CX-400A	≤5cm

Warning

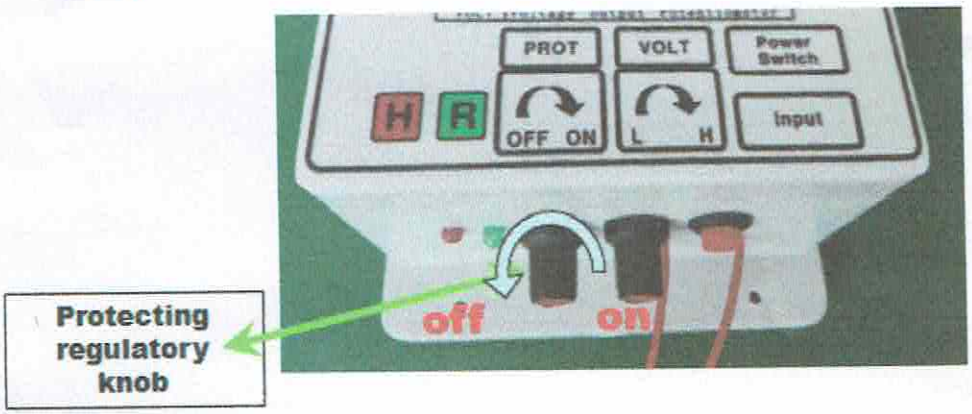
If the discharge distance is over the parameters as required, the high voltage power supply may be broken!

Step2



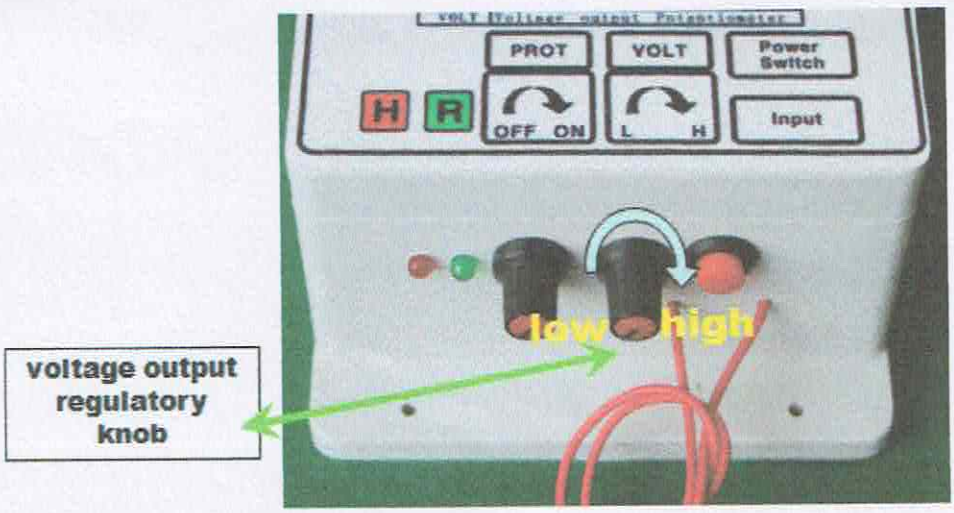
Please connect the input line with AC180V~260V and then press the power switch ,and the Running state LED (green)will be on.

Step3



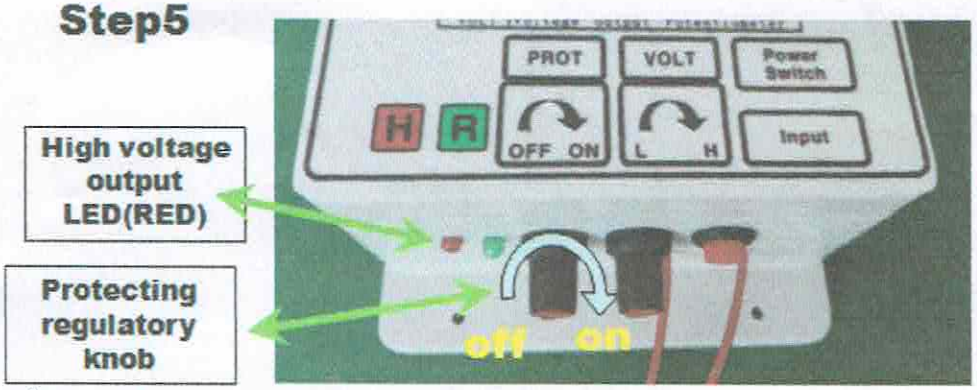
As you need the high voltage output continuously, so the preventing spark-over function should be shut down
Shut down the protecting function by turn the protecting regulatory knob to the left, Make sure the knob is turned to the end position.

Step4



Change the output voltage by turning the voltage output regulatory knob :left is low voltage output and right is high voltage output.

Step5



When the output voltage is meeting your requirement you should stop . If you need the high voltage output with protection function, You should turn the protecting regulatory knob to the right .Please turn the knob as slowly as possible. You should stop until the high voltage output LED is flashing ,And turn the knob back just a little while the LED will be on, Then the preventing the spark generating function is working now .

when the spark is generated in the electric field, the HV power supply will be shutdown ,after 0.5s~3s later, it will be restarted again, and the red LED will be on too.

If you need generating the spark continuously with the power supply, you should shut down the preventing the spark generating function .

Feedback:

We will very appreciate for your 5 stars ★★★★★ feedback after the order completed, we will give excellent feedback absolutely.

If you are unhappy with our products or any other problems please contact us before leaving feedback and we will solve the issue immediately, thank you!

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please be careful when you use the high voltage power supply!