

# OZ120WAC

110V/220Vac 120W Ozone Power Supply

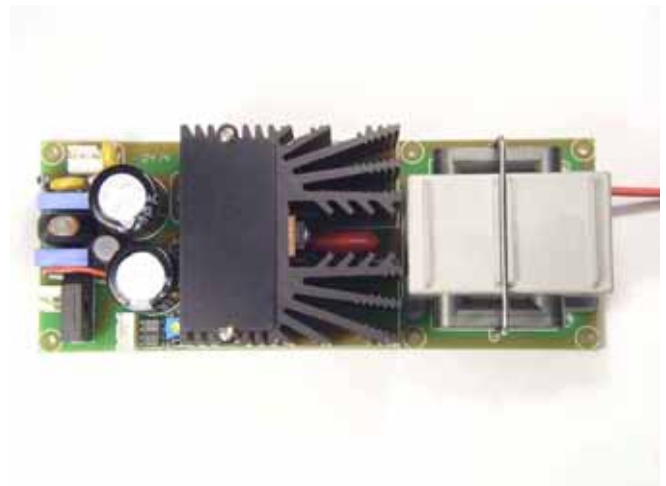
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## Features

- Drive corona discharge device to generate ozone 3.5g/hr/air or 7.5g/hr/O<sub>2</sub>.
- Built-in bridge rectifier and filter circuit
- Short-circuit protection, open-circuit protection, over heat protection
- Self-oscillating. No need to adjust resonant frequency, automatic operating in a suitable resonant frequency.
- The main circuits are epoxy encapsulated in aluminum heat sink, with highest safety and stability
- Output voltage adjustable and maintain a constant and steady output.
- Corona output ON/OFF can be controlled by external circuit. Utilizing low frequency PWM to control corona ON/OFF ratio to achieve the accurate ozone production.
- 110Vac or 220Vac selectable by switch

## Applications

- Industrial Ozone Generator (3.5g/hr/air or 7.5g/hr/O<sub>2</sub>)



## Specifications

<b>Input Voltage</b>	95 to 125VAC or 200 to 250VAC (selectable by switch)
<b>Input Power</b>	120W Max. non-stop working (need good heat-dissipation)
<b>Output Voltage</b>	3-20KV peak to peak (Different dielectric thickness is with different operating voltage, it needs to change the HV transformer's value to achieve suitable operating voltage.) Adjustable by variable resistor within +/-30% range of required voltage.
<b>Conversion Efficiency</b>	40% to 90% (the higher output power, the higher efficiency)
<b>Operating Frequency</b>	10KHz to 35KHz
<b>Mode of Oscillation</b>	Self-oscillating
<b>Operating Environmental Temp.</b>	-10°C to 45°C
<b>Operating Surface Temp.</b>	-10°C to 65°C
<b>Storage Temp.</b>	-40°C to 110°C
<b>Circuit Protection Function</b>	Short-circuit protection (when short: the power consumption less than 20W) (when release short, it will recover normal immediately)
	Open-circuit protection (when open: the power consumption less than 20W) (when open, the output voltage will be 15%-25% higher than the default value.)
	Over heat protection (when over 60°C, the output power shut off, the power consumption less than 1W)
<b>Control Terminal</b>  <b>It can use the terminal to shut off output voltage or adjust the corona output volume.</b>	2 pins control terminal: Open: 10V (inner) = ON Close: less than 0.5mA = OFF When OFF (Close): the power consumption less than 1W. The minimal ON/OFF control wave width greater than 8ms. (Note: Must use optocoupler to control and isolate.)
<b>Dimensions</b>	7cm(W) x 18.1cm(L) x 4.1cm(H)
<b>Weight</b>	560g ±10g