

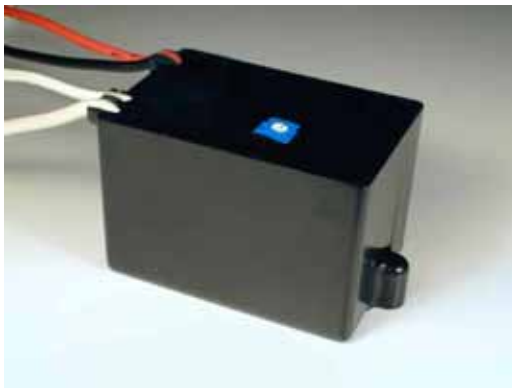
ION12V 12VDC 5W Ion Power Supply

Features

- Sine wave switching power
- Meet EMI (Electromagnetic Interference) regulations
- Short-circuit, no-load protection
- Adjustable and constant output voltage
- Utilize SMD, compact design, small size, high reliability
- Epoxy encapsulated, with highest safety and stability

Applications

- Generate ionic-wind and a small amount of ozone
- Utilize negative ion to reduce particulates in the air
- Utilize ozone to clean and purify air
- Used in vehicle or indoor to sterilize and eliminate smoke and dust mites
- Small type electrostatic precipitator used in vehicle



Specifications

Input Voltage	10V to 18V DC
Input Power	5W Max. non-stop working (need good heat-dissipation)
Input Current Consumption	150mA to 400mA (if output short: less than 100mA) Test Voltage = -7.5KV (Output Voltage) loading 2 ionic wind tubes: current consumption less than 300mA Typical: 220mA (simulation load = 75MΩ) loading 4 ionic wind tubes: current consumption less than 400mA Typical: 320mA (simulation load = 50MΩ)
Output Voltage	-6.5KV to -8.5KV DC (Adjustable, tolerance = ± 0.3KV) (Output voltage range can be changed according to customers' requirement.) (When output voltage is -7.5KV DC and input voltage is 11V to 18V DC, output tolerance is ± 0.3KV) Positive or Negative output available
Output Current	400uA Max. (Permanent) Test Condition: Output Voltage: -7.5KV Output Power:: 3W
Output Impedance	No impedance, output directly from high voltage capacitor. (If sparks happen, output voltage and input current drop.)
Operating Frequency	20KHz to 34KHz
Operating Environmental Temp.	0°C to 55°C
Generator Operating Temp.	0°C to 75°C
Storage Temp.	-50°C to 110°C
Humidity	the main body is water-proof
Dimensions	3.5cm(W) x 5.2cm(L) x 3.5cm(H)
Weight	125g ± 5g
Wire Connection	
Red PVC wire	DC12V (Positive)
Black PVC wire	DC12V (Negative)
White PVC wire	High Voltage Ground (Positive)
White silicone wire	High Voltage Output (Negative)