



Product Instruction Manual

Power frequency AC high voltage power supply

AP-AY450X/850X



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Product Description

AP-AY450X/850X power frequency AC high voltage power supply is one of the high-voltage power supply series products for electrostatic eliminator produced by Anping Company (AP&T) which is designed for controlling the static electricity on the surface of the target to achieve the purpose of electrostatic safety protection for the discharged object. It is a power frequency AC high-voltage power supply with multiple high-voltage output ports which is a dedicated configuration power supply for Anping's AC ion bar products.

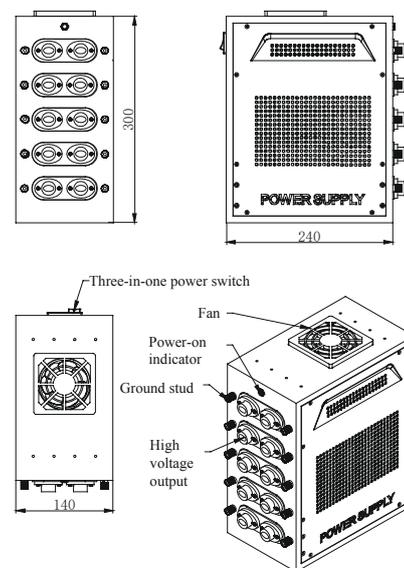
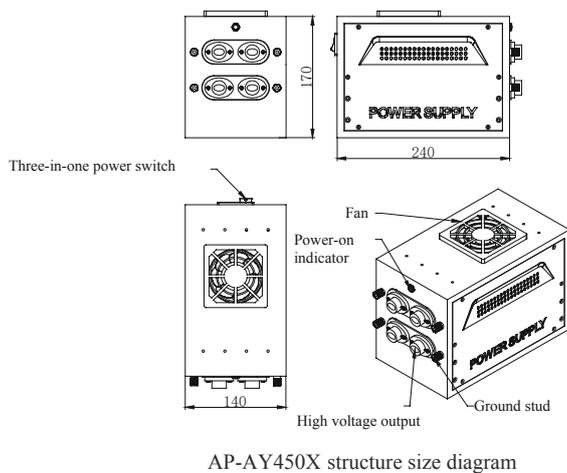
Product Features

1. With energy storage components to ensure stable output power.
2. The fan can dissipate heat and ozone in real time to extend the service life of the power supply.
3. Work under high voltage and low current.
4. Multiple high-voltage output ports which can carry multiple eliminators simultaneously.
5. Pluggable interface which is easy to operate and install.

Specifications

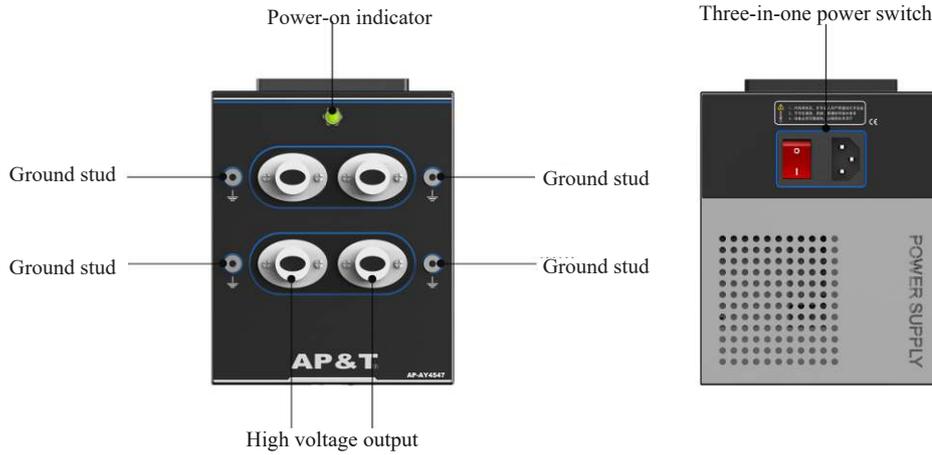
Model	AP-AY4507/8507	AP-AY4505/8505
Input voltage	AC220V/50Hz Or AC110V/60Hz	
Output voltage	AC7000V (No load)	AC5600V (No load)
Power	< 20W/40W	
Power status indication	Green light on—normal work	
	Green light off—abnormal work	
Working temperature	- 10℃—+ 50℃	
Working humidity	<75%RH	
Net weight	4250g	7450g
Dimensions L*W*H	AP-AY450X: 140*240*170	
	AP-AY850X: 140*240*300	

Dimensions

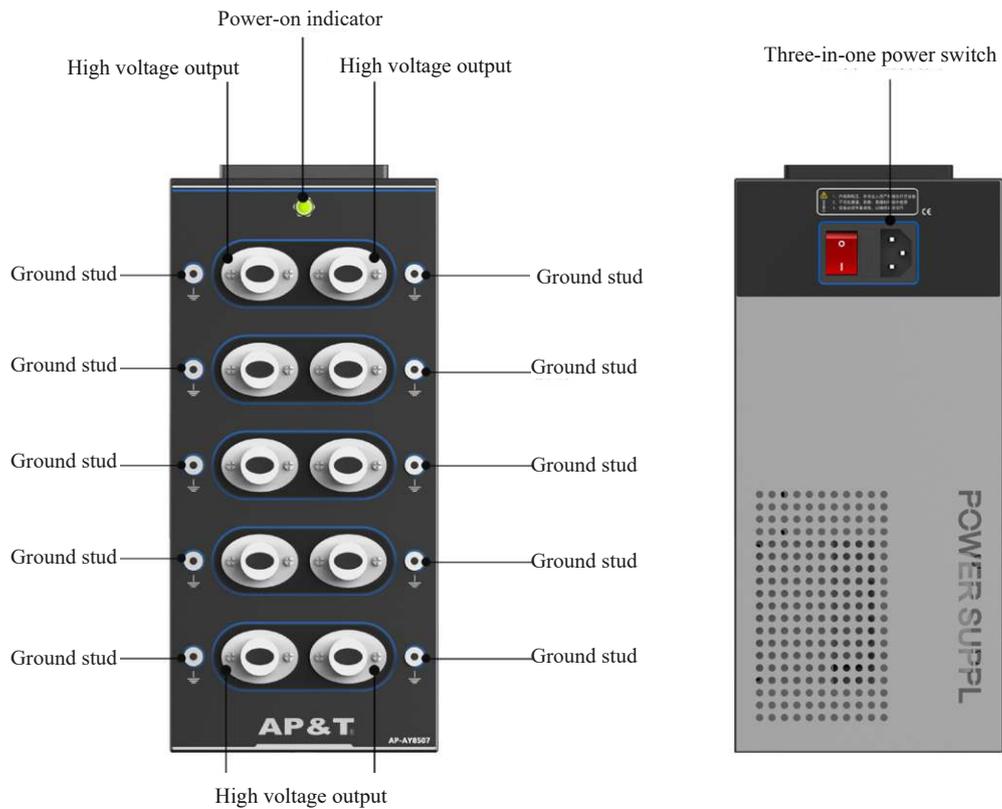


Installation Guide

1. Insert the national standard power cord plug into the mains socket.
2. Insert the high-voltage connector of the static elimination device into the high-voltage output socket of the power supply and connect its ground terminal to the ground stud of the high-voltage power supply.
3. The switch indicator and status indicator light on (Green light on when working normally) indicates the power supply working normally when turn on the power switch.
4. The panel description is shown in the following figure:



AP-AY450X Panel description diagram



AP-AY850X Panel description diagram

Maintenance

It should be stopped and repaired by professional maintenance personnel when the red switch work indicator on the back panel of the high voltage power supply is off, or the status indicator on the front panel is red or off, or the display is abnormal. It can be used only after the electrical performance indicators are normal.

NO.	Problems	Reasons	Solutions
1	The switch indicator on the back panel is off	Poor contact of the power cable	Check whether the power cable is in good condition and securely connected
		No power supply	Check the on-site power supply lines
2	The status indicator on the front panel is off	No power supply from power supply or high voltage transformer	Return to factory for maintenance
		The high-voltage transformer or high-voltage components or the insulation of the high voltage output socket is damaged	Return to factory for maintenance
3	The product is smoky or burnt	Short circuit of power supply caused by damage of high voltage transformer (fuse burnt out)	Return to factory for maintenance

Safety warning



Warning

1. Please read the instruction manual carefully before installing and using this equipment.
2. The working input power of the power box must be reliably connected to the grounding wire of the electrical power supply cable and the grounding resistance should be less than 4 ohm; Otherwise, it is easy to cause abnormal or even damage of ion bar and high voltage power supply.
3. Do not use this equipment in environment where humidity is > 70%.
4. It is strictly forbidden to use this equipment in flammable and explosive environments.
5. Unauthorized disassembly of the product is strictly prohibited, internal maintenance and repair must be performed by professionals.
6. It is strictly forbidden to touch liquid during use, otherwise an abnormality may occur and cause electric shock or fire.
7. Power must be turned off during inspecting or replacing the product, otherwise it may cause electric shock or fire.
8. The product is specially designed for eliminating static electricity. It is strictly forbidden to use it for other purposes. Any abnormal use may cause machine failure, electric shock, fire and other accidents.
9. Please check the input voltage before powering on the product. Any power supply that does not meet the specifications will cause damage to the product.
10. Please check the product power cord regularly and replace it immediately if it is damaged. Otherwise it is easy to cause problems such as electric leakage and abnormal operation.

After-sales service

1. High voltage power supply has undergone rigorous testing and aging treatment before ex-work. Its performance has completely reached the relevant indicators marked in the usage instruction.
2. AP&T makes a commitment to the customer that any defective parts inspected by AP&T will be repaired or replaced free of charge within one year from the date of purchase. However, this commitment does not apply to:
 - a. The device is incorrectly used or installed.
 - b. Damage caused by negligence or accident during use.
 - c. Modified, disassembled or repaired by other service departments not authorized by Anping Company.
3. AP&T shall not be liable for any incorrect use of the products except for repair or replacement of parts as specified above.

Packaging accessories

- 1、 Manual
- 2、 Certificate of conformity
- 3、 National standard power cord
- 4、 Mounting brackets