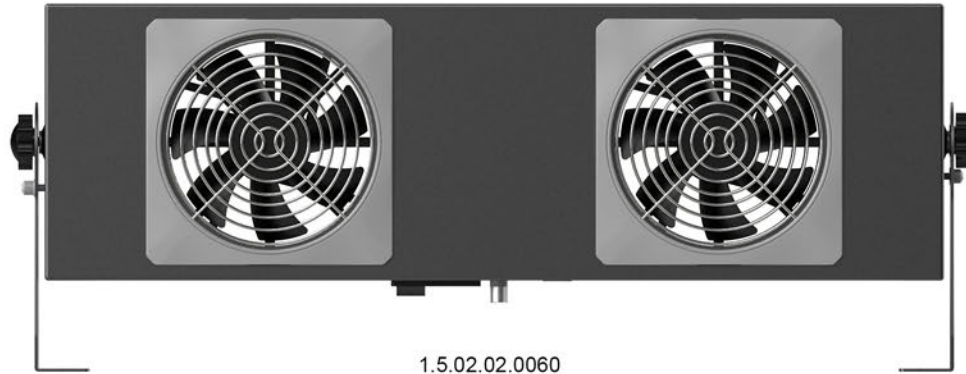


BFN-712S-L

Dual-Head LCD Display DC Ionizer Fan

The BFN-712S-L Dual-Head LCD Display DC Ionizer Fan Utilizes DC Static Elimination Technology. It Features a Light-touch Switch Button Design, a High-airflow Fan with 5-speed Adjustment, Stable Performance, and an Output Airflow Rate 1.45 Times Higher Than Ordinary Fans. Equipped With an LCD Display, it can Show ion Balance Status and Supports Intelligent Remote Control and Networked Monitoring.



► Features:

- Light-touch Switch Buttons for Convenient and Quick Operation; Multiple Air Outlets, Each Outlet with 6 ion Needles, Providing High ion Generation.
- Automatic Pin Cleaning Upon Startup, and Defaults to Auto-cleaning Every 4 Hours After Startup, Eliminating the Need for Manual Pin Cleaning and Maintenance.
- High-airflow Fan with 5-speed Adjustment; Output Airflow Rate is 1.45 Times Higher Than Ordinary Fans, Ensuring Stable Performance.
- LCD Display Shows Device Address, Fan Speed Level, Cleaning Cycle, Temperature & Humidity, Cleaning Prompt, Fan Fault Alarm, and High-voltage Fault Alarm.
- Real-time Display of Balance Voltage for Each Air Outlet, with Alarm if Exceeding the Set Threshold; Outputs Alarm Prompt When High-voltage Fault is 0V.
- Features ion Auto-balancing Function, with an Auto-balancing Range of $\pm 10V$, and Real-time Display of Balance Voltage; Negative High-voltage Amplitude can be Remotely Adjusted for ion Balance Voltage Calibration.
- When Fan, ion Balance, or High-voltage Faults Occur, the Display Outputs Fault Alarm Prompts and the LED Emits Red Light for Alarm.
- Ion Output Characteristics can be Adjusted Via Remote Control; Supports Wired Network Communication for Monitoring Fan Working Status.
- Magnetic Mesh Cover with Instant Power Cut-off Upon Separation; CE Tested With Electromagnetic Protection Function.

Application Scope

Widely Applicable In Industries Such As Electronics, Optoelectronics, Semiconductor, Etc.

Product Parameters

Product Model	BFN-712S-L		
Input Voltage	DC 24V (RJ45 Interface) 3-in-1 socket (220VAC 50/60Hz)	Discharge Time	$\leq 2.5s$ (Measured 450mm Directly Below Outlet)
Output Voltage	DC $\pm 4KV \sim \pm 6KV$	Ion Balance	$\leq \pm 15V$
Power	21W	Communication	RS485
Ion Emission	Pulsed DC	Dimensions	535*154*192mm (LWH)
Emitting Electrode	Tungsten	Housing Material	Powder-Coated Aluminum
Discharge Range	750*550mm (LW)	Warranty	1 year
Air Volume	$\leq 135CFM \times 2$	Certification	CE
Ozone Concentration	$\leq 0.05ppm$ (Measured 150mm From Outlet)	Operating Environment	Temperature: $0^{\circ}C \sim 50^{\circ}C$ Humidity: $< 70\%RH$
Signal Output	RS485 (115200bps, 8, 1, n, n) $\geq 20ms$ Open Collector $< 50V, 100mA$	Status Indication	Upon Startup, Cleaning Operation - Blue Light Flashes
Audio Noise	Single Outlet $\leq 58dBA$ (Measured 1000mm From Outlet)		Normal Operation - Green Light (Constant Monitoring Status)
Weight	2.60kg (Fan Unit and Mounting Brackets Only)		Fan Fault Alarm - Red Light Steady on
Adapter Power	Input: AC100 - 240V 50/60Hz Output: DC24V 2A (Dual RJ45 Interface)		Balance Voltage Exceeded Alarm - Red Light Flashes
Mounting Accessories	1 Pair of Powder-coated Steel Mounting Brackets 1 Pair of Bakelite Screw Knobs (M5 \times 8)		High-Voltage Fault Alarm - Red Light Flashes
			Infrared Debugging/Cleaning Prompt - Blue Light Flashes