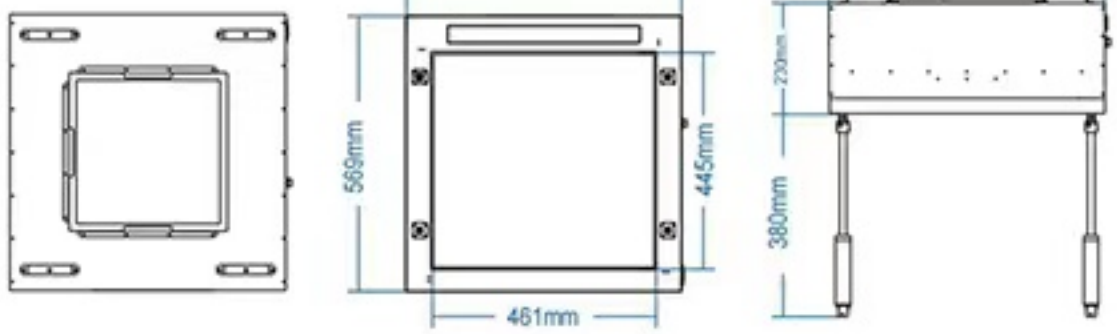
KESD®

Professional anti static equipment manufacturer

Static elimination, dust clean type Fan Filter Unit KU-50

Surface structure



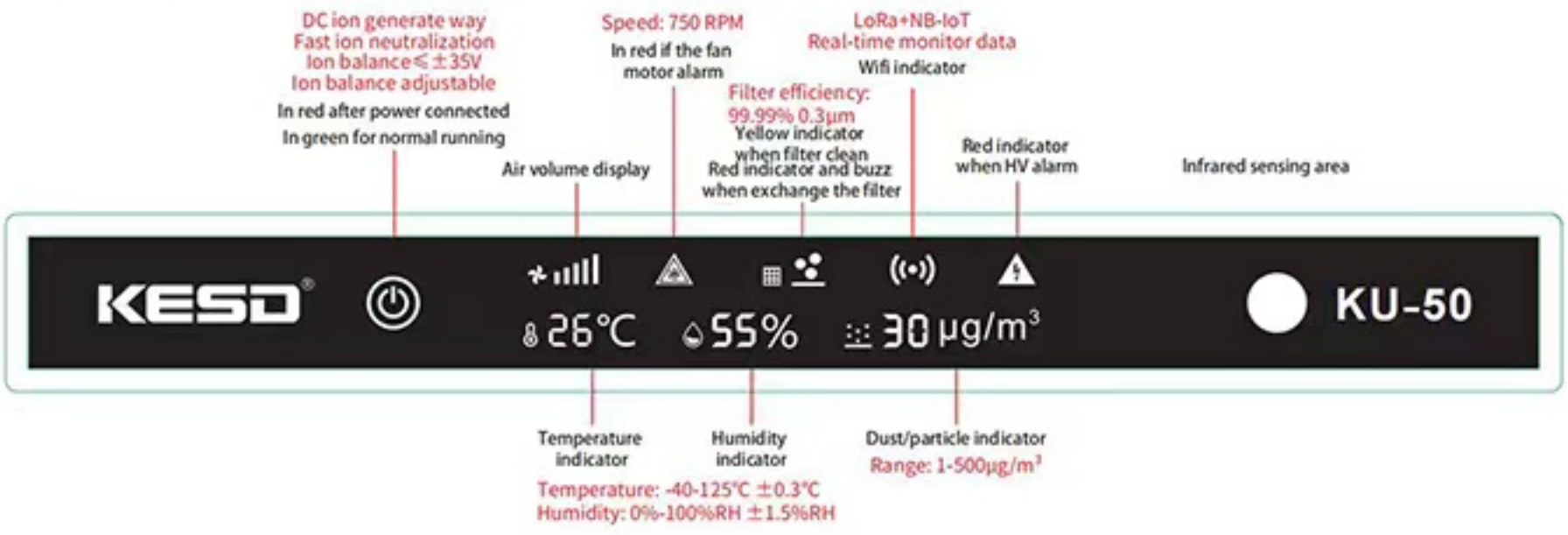
Technical Parameters

Model	KU-50
Input voltage	220 VAC，50/60 Hz
Output voltage	0-20 kVDC/each electrode; positive and negative voltage can be adjust for one of the electrode
Controller	Remote control and wifi monitoring
Interface	Air plug of the ionizer
Output adjustment	The stability of the ion generated and ion balance can be achieved by adjusting one of the ionizers
Material of spray needle	Monocrystalline silicon or Tungsten
Ion generator	DC type, Ion balance ≤±35V adjustable
Effective distance	Ionizer within 500-2000mm
Wifi monitoring method	LoRa+NB-IoT
Temperature and humidity sensor	Temperature: -40-125℃ ±0.3℃ Humidity: 0%-100%RH ±1.5%RH
Compliance with cleanliness	Monocrystalline silicon
Alarm	HV abnormal alarm; Fan abnormal alarm
Ozone	<0.008 ppm
Operate environment	Humidity 15%-75% (No condensation) Temperature 0-40℃

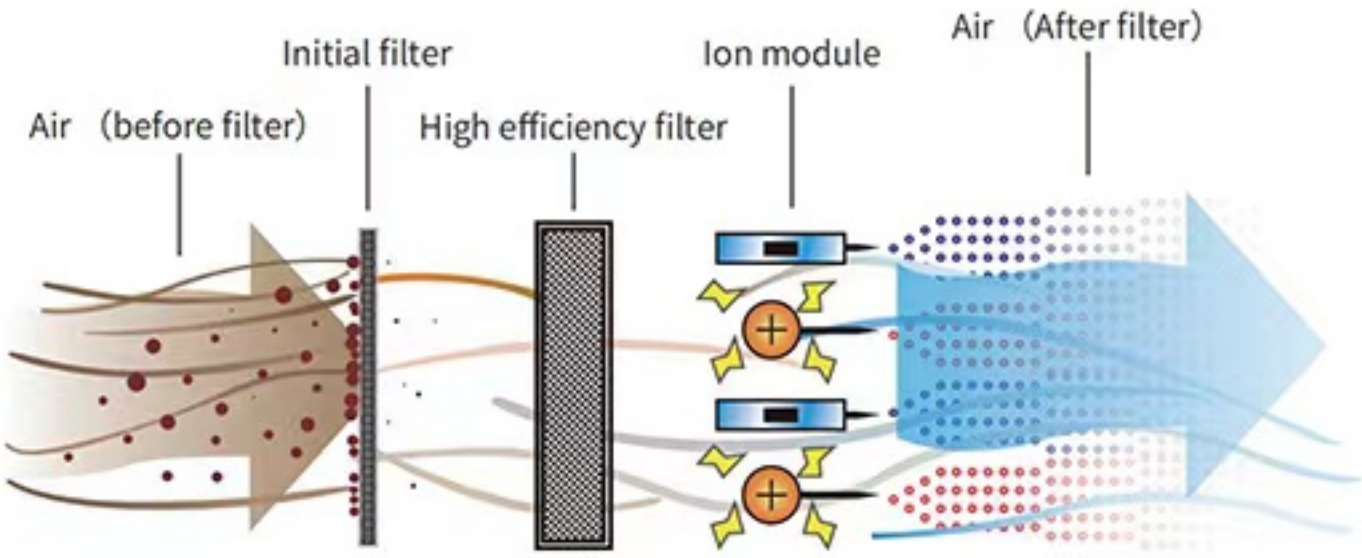
Noise	39-65 dB
Power consumption	10-120W
Material	SUS304 / Galvanized zinc
Filter material	Glass fiber filter
Power	220V 50/60 Hz
Impeller material	Aluminium alloy
Filter efficiency	99.99% 0.3μm
Control method	PWM
Operation status	Power indicator, Normal running, Abnormal indicator, Speed display, Temperature and Humidity indicator, Dust/particle indicator
Motor protect	Overload and excessive heating protect
Differential pressure sensor	Range: 100-1000Pa
Dust sensor	Range: 1-500μg/m³
Motor speed	750 RPM
Filter size	491x475x30mm
FFU size	575x575x280mm (HV rod excluded)
Air flow speed	0.54 m/s
Weight	21.5kg

Note: All the FFU parameters listed in above table is the initial data, can be customized according to user′ s size

Display



Operational principle



Effect contrast

Applications