

Jerrell

Jerrell C-Create Electrostatic Disinfectant Sprayers



Electrostatic Disinfection Shields You from Virus



Electrostatic
droplets



Strong adhesion



Ultra-low volume



Super-long endurance



Full Coverage Zero Deadzones Efficient Disinfection

360°

Wrap the target fully for complete disinfection

40 μm

Fine and uniform droplets maximize disinfection effect

60 dB

Less noise than conventional counterparts

50%

Disinfectant saved by over 50%

Flexible

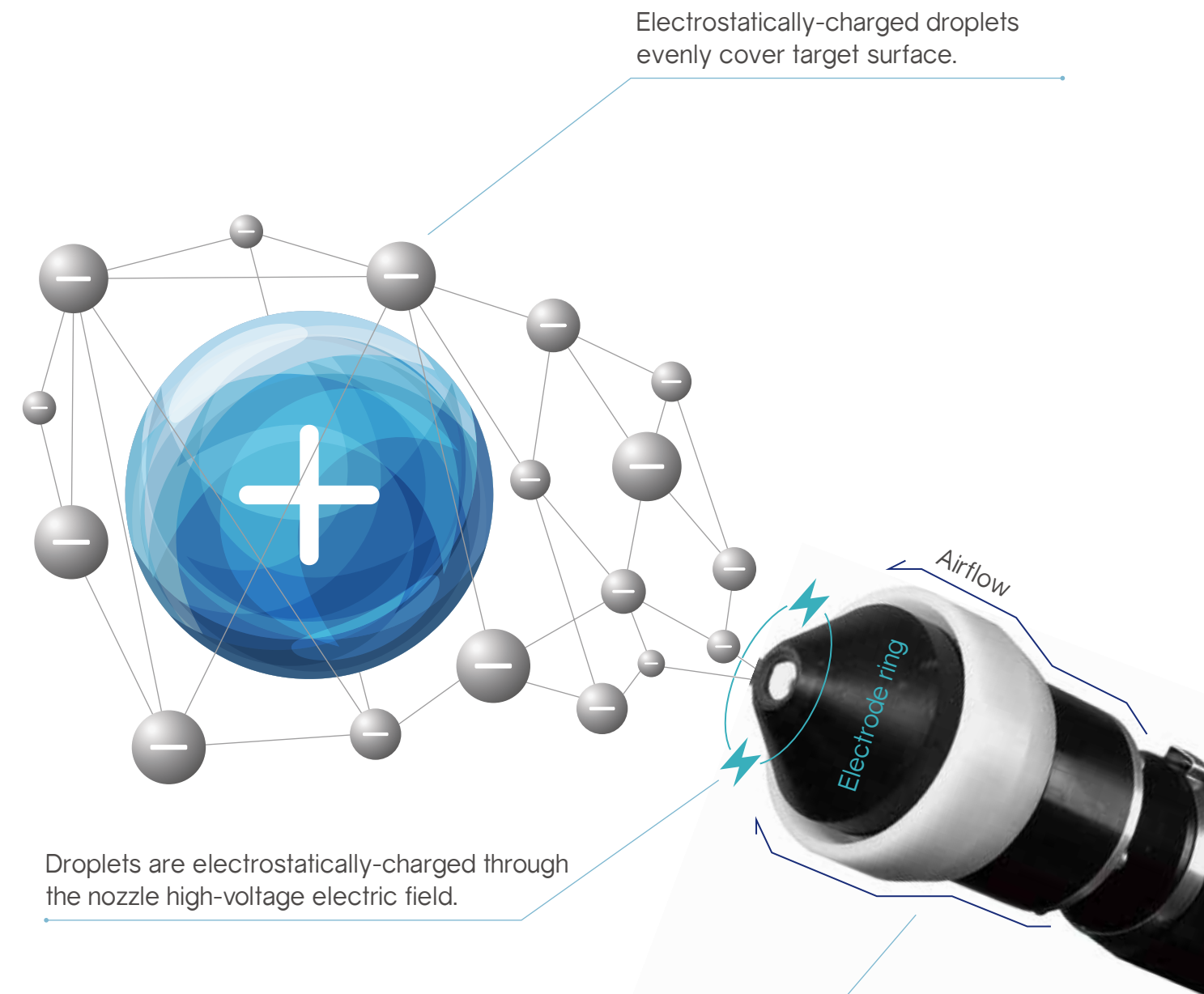
Long endurance on a single charge

Electrostatic Spraying

A Revolutionary Technology for Disinfection Applications



During the spraying process, the electrostatically-charged droplets create an electric field that allows the droplets to adhere to the surface of any object within a certain distance, under the effect of electrostatic force. The gravitational force of the electrostatic field is 75 times that of the gravity, so the droplets will even reverse direction to cover the back of target, including those hidden, hard-to-reach areas ignored by traditional counterparts.



Electrostatically-charged droplets evenly cover target surface.

Droplets are electrostatically-charged through the nozzle high-voltage electric field.

High pressure air breaks solution into small droplets.

Electrostatically-charged droplets cling to target surface in 360°

Large Capacity or High Flexibility? You can have it both!



The right equipment gets disinfection done
with less time and labor consumed.






Mobile Electrostatic Disinfection Station

A Mobile Disinfection System

Capable of continuously disinfecting a high-speed train by one operator at a time

-  20 L storage capacity.
-  Run continuously for 1.5 ~ 3 hours on a single charge.

Cordless and flexible

-  Lithium battery delivers long endurance.
-  Operation is not limited by external power source.
-  Trolley-design enables higher flexibility and more convenience.





An Elevator-Containable Electric Disinfection Vehicle

Capable of disinfecting an area of up to 30,000 m² by one operator at a time

- ☑ 80 L storage capacity.
- ☑ Effective spraying width of 8 m.
- ☑ Run continuously for 15 hours on a single charge.

Labor-saving, convenient and efficient

- ☑ Lithium battery delivers long endurance.
- ☑ Operation is not limited by external power source.
- ☑ Electrically-powered, elevator containable.



Electrostatic Disinfection Vehicle



Backpack Electrostatic Sprayer

A Backpack Ready to Go

Ultra-low volume, 1 L equals 10 L

 Save water and disinfectant, reduce disinfectant-adding frequency.

Not limited by external power source

 Lithium battery delivers long endurance.

 Backpack design is convenient for operation and control.






Electrostatic Disinfection Case

A Wheeled Disinfection Case

Ultra-low volume, 1 L equals 10 L

 Effective spraying width of 2.5 m.

Cordless and flexible

 Run continuously for 80 minutes on a single charge.

 High mobility with wheeled case and a pull lever.



Invisible Mist Evenly Coated on Surface Enhancing Disinfection Performance

40 μm diameter droplets, ultra-low volume, even adherence

Charged droplets overcome surface tension and break up into smaller ones.

Electrostatic atomization

Air atomization

Air atomization

High pressure air flow breaks disinfectant into small and even droplets.

Double atomization channels to break droplets

Tips:

The disinfection effect is closely related to the droplet size and uniformity. If the droplets are too large in size, the spray mist will be uneven and the droplets settling speed will be too fast to completely contact with microorganisms and dust, leading to insufficient air disinfection. With electrostatic spray, the charged droplets can wrap the target surface in 360° and capture suspended particles in the air, thereby achieving efficient and thorough disinfection effect.



No secondary contamination nor secondary cleaning, saving time and labor.



Suitable for the disinfection of electric appliances, books and fabric.



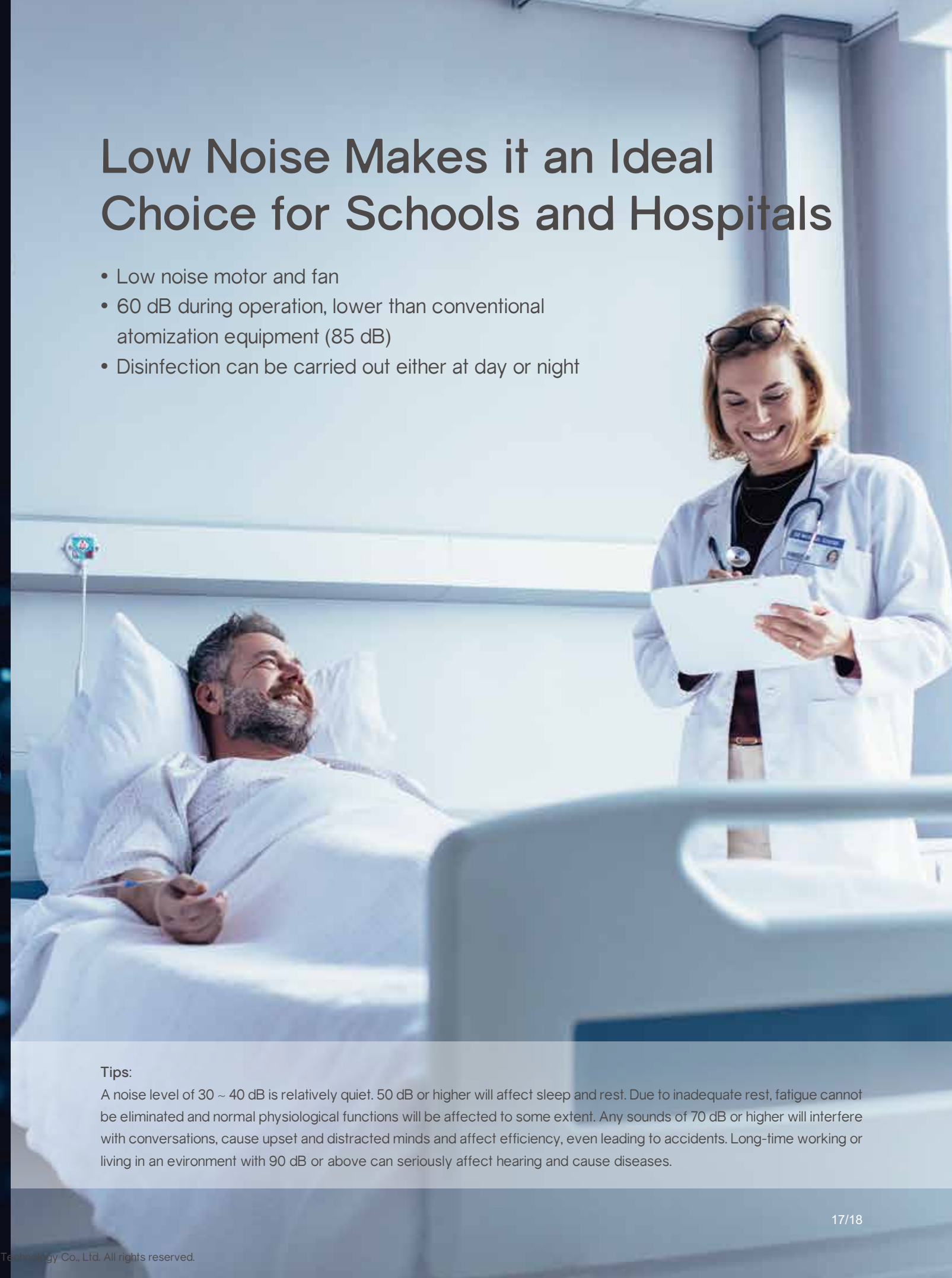
No time needed for air-dry. Disinfection can be carried out during business hours.

Doubled Efficiency Delivers Long-Time Protection

Electrostatic force is 75 times of gravity
Strong adherence prevents disinfectant loss
Particles and germs in the air are fully captured and killed

Low Noise Makes it an Ideal Choice for Schools and Hospitals

- Low noise motor and fan
- 60 dB during operation, lower than conventional atomization equipment (85 dB)
- Disinfection can be carried out either at day or night



Tips:

A noise level of 30 ~ 40 dB is relatively quiet. 50 dB or higher will affect sleep and rest. Due to inadequate rest, fatigue cannot be eliminated and normal physiological functions will be affected to some extent. Any sounds of 70 dB or higher will interfere with conversations, cause upset and distracted minds and affect efficiency, even leading to accidents. Long-time working or living in an environment with 90 dB or above can seriously affect hearing and cause diseases.

Applications



Large public places such as airports and malls.



Indoor space such as theatres and cinemas.



Designated hospitals for COVID-19 treatment.



Catering places such as restaurants and cafes.



Applications



Transports such as bullet trains, taxis and buses.



Education and training organizations such as schools and kindergartens.



Parameters

Description	Electrostatic Disinfection Vehicle
Model	JES-DV330
Nozzle Qty.	10
Spray Distance	> 3.5 m (operating width > 8 m)
Rate	1.3 - 1.8 L/min
Droplet Dia.	40 μm
Power	48 V Lithium battery
Dimensions	2,100 * 900 * 1,810 mm
Weight	700 kg (with battery, disinfectant not included)
Storage Capacity	80 L
Operation Endurance	90 min
Vehicle Endurance	> 360 min
Min. Turning Radius	3.5 m
Disinfection Area on a Full Tank	19,200 - 26,880 m ²
Working Time on a Full Tank	40 min
Disinfection Area on a Single Charge	43,200 - 60,000 m ²

Description	Mobile Electrostatic Disinfection Station	Backpack Electrostatic Sprayer	Electrostatic Disinfection Case
Model	JES-DS30	JES-BP18	JES-SC30
Spray Distance	> 2.5 m	> 1.5 m	> 2.5 m
Rate	100 - 150 ml/min	60 - 100 ml/min	100 - 150 ml/min
Droplet Dia.	40 μm	40 μm	40 μm
Power	24 V lithium battery	24 V lithium battery	24 V lithium battery
Dimensions	830 * 320 * 900 mm	380 * 230 * 480 mm	470 * 300 * 700 mm
Weight	36 kg (without battery, disinfectant not included)	10 kg (without battery, disinfectant not included)	19 kg (without battery, disinfectant not included)
Storage Capacity	20 L	1 L	5 L
Endurance	150 min	180 min	80 min
Disinfection Area on a Full Tank	13,300 - 20,000 m ²	600 - 1,000 m ²	3,300 - 5,000 m ²
Working Time on a Full Tank	133 - 200 min	10 - 16 min	33 - 50 min
Disinfection Area on a Single Charge	15,000 m ²	7,000 - 10,000 m ²	8,000 m ²