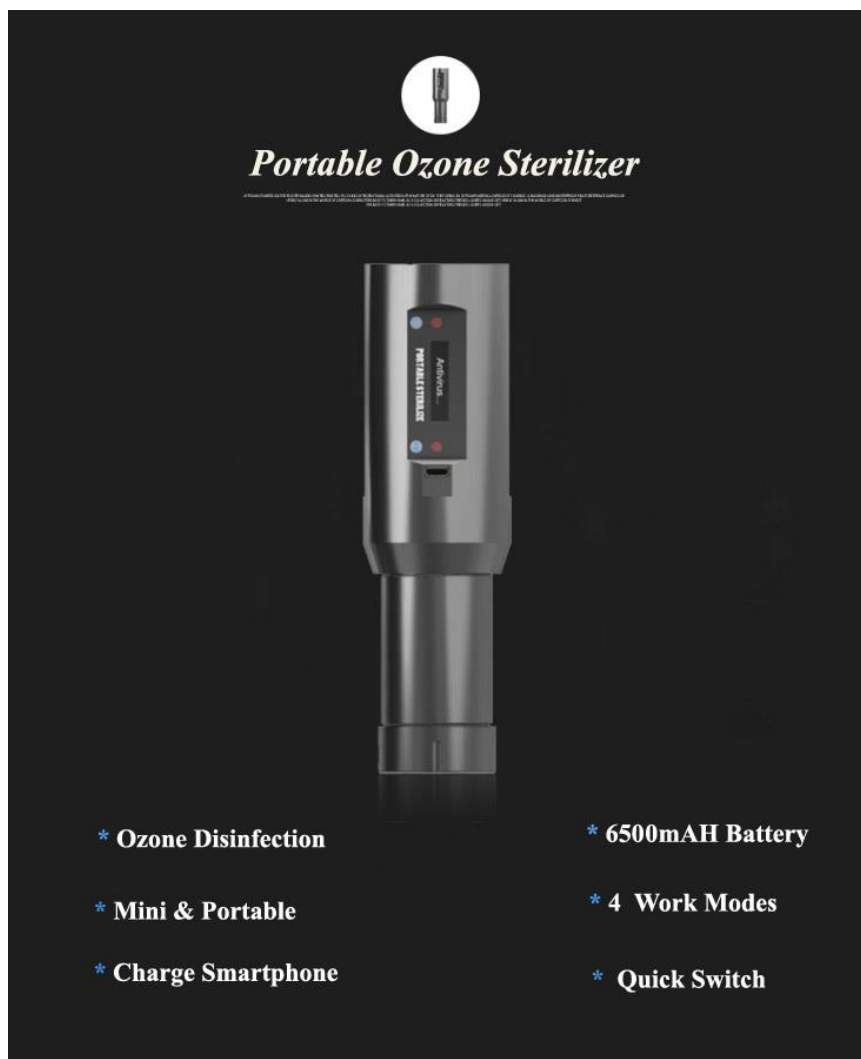


Portable COVID-19 Ozone Disinfection Sterilizer

As the COVID-19 Disease outbreak in worldwide, human life and health has been greatly threatened. Under this severe situation, more and more people pay more attention to the personal health and the surrounding environment health issues. According to a new report from the WHO that COVID-19 viruses will run a long-term coexistence with human beings, so the regular virus killing work will play an important role in our daily life.

In order to meet the market demand ,Loyalty-Secu launched the latest **Portable Ozone Sterilizer** which with the unique housing design, a 6500mAH built-in battery, equipped with powerful & multi-functions work performance ,mainly focusing on Ambient Air Purification, Food & Fruit Vegetable Preservation, Strong Disinfection & Mite Killing, Sterilization/Deodorization/Anti-Fungus and so on.

With the Mini & Portable features, easy to use and carry, you can put any places you want or just take it as your magic guardian to fight the invisible enemies around you.



Portable Ozone Sterilizer Highlights:

- Ambient Air Purification
- Food & Fruit Vegetable Preservation
- Strong Disinfection & Mite Killing
- Sterilization/Deodorization/Anti-Fungus
- With LED Display for Company Logo or Business Advertising
- Support Laser Logo Printing
- With Built-in Removable 6500maH Lithium Battery
- Particularly Suitable for COVID-19(Coronavirus)

Four Work Modes Description:

- **Ambient Air Purification:** Producing the low concentration ozone constantly, particularly suitable for indoor environment, such as home, office, restaurant, shop, hospital, school, library and so on.
- **Food & Fruit Vegetable Preservation:** Producing the moderate concentration ozone, extend the freshness of Food & Vegetable.
- **Strong Disinfection & Mite Killing:** Producing the high concentration ozone, which can sterilize the surfaces of specific objects, such as the public seat, express parcel, tableware of the restaurant, elevator button door knob, bedding of hotel or home ,and other scenarios which involved in people's daily life.
- **Sterilization/Deodorization/Anti-Fungus:** Producing the moderate intensity ozone in 5 minutes, then stop for 1 hour, and repeat this circle continuously. This potable ozone sterilizer can be placed on closet, wardrobe, toilet where need the regular disinfection, anti-fungus and deodorization process.

PORTABLE OZONE STERILIZER

- ✓ At home
- ✓ Outside
- ✓ On-vehicle
- ✓ In office

Sterilization

Deodorization



Antibacterial
99 .99%

Ozone sterilization
Air disinfection

Quick User Guide:

Function Keys:

Turn On: Long Press within 2 Seconds

Turn Off: Long Press within 2 Seconds (Under Any Work Mode)

Short Press for Run or Pause

Mode Keys:

Short Press: Ambient Air Purification—> Food & Vegetable Preservation—> Mite Killing—>Sterilize (4 modes in a loop)

OLED Display:

Work Mode, Work Status

Work Time, Charge & Discharge Status

Indicate LED:

Turn On (Light On)

Turn Off (Light Off)

Charge (Breathing Light)

USB Interface: For Built-in Battery Charging or Charge the Smartphone



PORTABLE OZONE STERILIZER

DEODORIZATION/STERILIZATION

FAREWELL TO TRADITIONAL METHODS

4 Work Mode User Guide:

Ambient Air Purification	Continuous operation in low intensity until the battery is low or manual stop
Food & Fruit Vegetable Preservation	Operating under moderate intensity in 20 minutes, Support the manual stop
Strong Disinfection & Mite Killing	Operating under high intensity in 10 minutes, Support the manual stop
Sterilization/Deodorization/Anti-Fungus	Operating under moderate intensity in 5 minutes, then stop for 1 hour. Repeat this circle until the battery is low or manual stop

Portable Ozone Sterilizer Datasheet & Description:

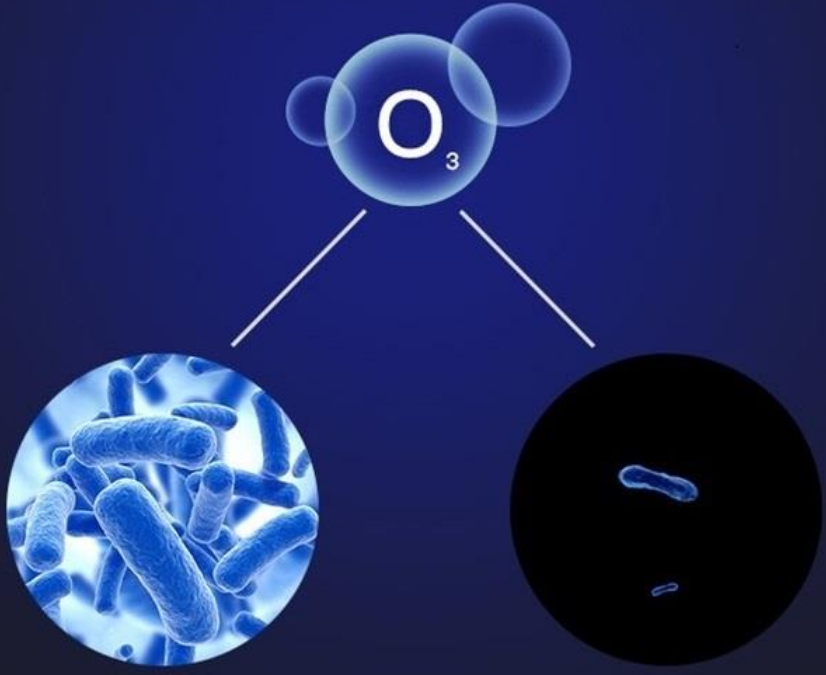
Product Type	Portable Ozone Sterilizer
Model	LY-PZS-B01
4 Work Modes	Ambient Air Purification, Food & Fruit Vegetable Preservation, Strong Disinfection & Mite Killing,

	Sterilization/Deodorization/Anti-Fungus
OLED Display	Support
Product Color	Black
Indicate LED	Support
Language	Chinese & English
Product Housing	Patent Design
Battery Type	Built-in Removable 6500Mah (Default) Customer also can purchase the battery by themselves.
USB Interface	For built-in battery charging or power on the smartphone as power bank
Product Dimension	163* Φ 48mm
Packing Box Size	220x122x62 MM
Gross Weight	400g
Sample Delivery Time	In stocks (Within 1 day)
Laser Logo Printing	MOQ: 50PCS
MOQ	1PCS
Warranty	1 Year
Packing Box Customization	MOQ:200 PCS
Turn off-Logo Display	Support Logo display when turn off the device
Product Customization	Accept
Payment Method	Paypal/ Western Union/T/T or Wechat
Payment Term	Sample order: 100% payment in advance, MP Order: 50% down payment in advance,50% balance before shipment
Business Term	EXW Shenzhen/ FOB Shenzhen/ C&F
Shipping Method	By Courier: UPS/DHL/Fedex/TNT/Aramex or others By Air or By Sea assigned by the clients
C/O Certificate	Negotiable
CE Certificate	Negotiable

What is ozone sterilization?

Ozone destroys the structure of microbial membrane by the oxidation of oxygen atoms, so to achieve bactericidal effect. The inactivation reaction of ozone to bacteria is always carried out very quickly. Different from other fungicides, ozone can react with the double bond of bacterial cell wall lipids. Internal wear into the bacteria, role in protein and lipopolysaccharide, change the permeability of the cell, resulting in death of ozone bacteria also acts on the cellular nuclear material, such as purines and pyrimidines in nucleic acid damage DNA ozone first role in cell membrane, the membrane component damaged, and lead to metabolic disorders, ozone continue to permeate through the membrane, and the damage of membrane lipoprotein and lipopolysaccharide, change the permeability of the cell, leading to cell apoptosis.

Ozone has a strong ability of oxidation, catalysis and killing. Ozone can decompose itself into oxygen in a short time under normal temperature, almost no residue, it is internationally recognized as a safe and clean disinfection method without pollution, dead angle and stimulation.



BEFOR

AFTER

How does ozone sterilization kill coronaviruses?

Loyalty-Secu Portable Ozone Generator kills single and multi-cellular organisms including bacteria, viruses (including the COVID-19 coronavirus) and fungi. The infusion time varies depending on the size of the indoor space and the level of ozone sterilizer produces; After the ozone disinfection process, you can enjoy a bacteria-free environment with clean air and peace of mind.

With the handheld ozone sanitizer exposing Coronavirus (COVID-19) to sufficient ozone disinfection can result in them being 99% damaged or destroyed.

Ozone vs UV Sterilization:

Comparison	Ozone	Ultraviolet
Principle of Sterilization	<ol style="list-style-type: none"> 1.Oxidize the enzymes needed to break down glucose inside the bacteria, cause the TCA circle impossible, then the ATP needed for the bacterial life cannot be supplied, so the bacteria are inactivated and die. 2. Directly interact with bacteria and viruses, destroy their organelles and DNA, RNA, and damage the metabolism of bacteria, leading to the death of bacteria 3. It penetrates the cell membrane tissue, invades the cell directly affects the lipoproteins in the outer membrane and the lipopolysaccharides in the inner membrane, causing bacteria to dissolve and die due to permeability distortion. 	Ultraviolet radiation damages and destroys the function of nucleic acids to kill microorganisms, thereby achieving the purpose of disinfection. The UV band with the strongest sterilization effect is 250-270nm.On the market, there are a lot of ultraviolet lamp manufacturers using higher than this band, and some even use ultraviolet lamp directly which brings a big potential health risks
Disinfection Species Ranges	Almost work on all bacteria, virus, fungus, protozoa, oocyst and so on	Almost work on all bacteria, virus, fungus, protozoa, oocyst and so on
Sterilization Range	Good air circulation places	UV exposure places
Inactivation Time	Rapid	Slow
Decompose Pesticide Residues	Yes	No
Food Preservation	Placed in the refrigerator and work regularly, can extend the shelf life of food	No
Deodorization	Combine with ozone molecules for fast	No

	deodorization, trace ozone brings people the fresh air feeling	
Potential Health Risks	With the fishy smell, excessive inhalation can cause discomfort. However as human being with the inherent ability of avoidance, and the ozone sterilization intensity is adjustable, so this risk can be prevented in advance.	Exposure to ultraviolet radiation for a long time can cause skin pigmentation, rough skin, photoaging, and even brings more serious result like precancerous lesions, skin cancer, cataracts, etc. As the human body is insensitive to light, Lack of active prevention awareness which can lead to unconscious passive irradiation

Handheld Ozone Generator Product Image:

Portable Ozone Sterilizer

*** Front Side***



*** Back Side***



Portable Ozone Sanitizer with LED Display:



Portable Ozone Sterilizer Packing Box:



Ozone Sterilization System for Home Health Care:

Disinfection & Sterilization with The Portable Sterilizer



Living Room: Formaldehyde, Methylbenzene, Virus, Odor, Fungus



Bathroom: Toilet Seat, Used Toilet Tissue



Kitchen: Kitchen Garbage, Hand Wash Sink, Exhaust Gas of Gas Stove

Portable Ozone Sterilizer

COVID-19 Disinfection



Ambient Air Purification



Fruit Vegetable Preservation



Strong Disinfection & Mite Killing



**Sterilization/Deodorization/
Anti-Fungus**