

XinShi® 信实冰雪®

# 青岛信实制冷科技

Qingdao Xinshi Refrigeration Technology CO.,LTD

## 模块化智能冷冻机组

Modular intelligent refrigeration unit

## 智能移动冷库

Intelligent containerized mobile cold storage

## 智能移动速冻库

Intelligent Mobile Rapid Freezing Chamber

## -60°C超低温冷库

-60°C Ultra-low temperature cold storage

## 气调式移动冷库

Containerized controlled atmosphere mobile cold storage

## 智慧菌菇种植仓

Intelligent modular mushroom cultivation chamber

## 菌菇/植物种植一体机

All-in-one mushroom and plant cultivation unit

## 智能植物种植方仓

Intelligent modular plant cultivation chamber

## 光伏储能应用系统

Solar PV+Energy storage system



# ■ 关于我们

青岛信实制冷科技有限公司成立于2014年10月8日，是一家集科研开发、加工制造与经营销售于一体的高新技术综合性企业。公司深耕制冷领域，专业研发生产模块化智能冷冻机组、智能移动冷库、智能移动速冻库及-60°C超低温冷库，凭借持续创新的研发实力，成功推出适配蘑菇菌类生长的智慧菌菇种植仓、适配植物培育的智能植物种植仓、集装箱式气调移动冷库，并创新性将光伏储能系统与核心产品深度融合，全方位拓展产品应用场景，赋能多行业发展。

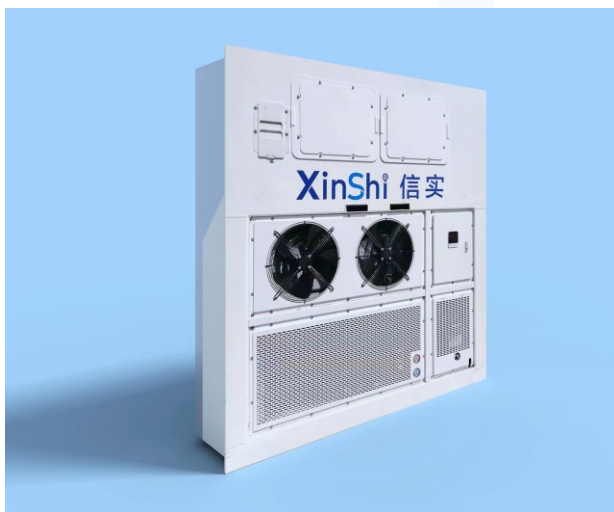
依托深厚的专业技术积淀与丰富的设计经验，公司在技术研发上精益求精，斩获多项国家专利，构建起完善的技术壁垒与产品优势。产品广泛应用于食品加工、冷链储存、菌类种植、商超零售、酒店餐饮等多元行业，远销印度、越南、智利、阿联酋、澳大利亚、加拿大、德国、美国等多个国家和地区，以卓越品质赢得全球客户的一致赞誉与信赖。

Qingdao Xinshi Refrigeration Technology Co., Ltd. was established on October 8, 2014. As an integrated high-tech enterprise specializing in R&D, manufacturing, and sales, we are dedicated to producing high-performance refrigeration equipment, including Modular Intelligent Refrigeration Unit, Intelligent Mobile Cold Storage, Intelligent Mobile Rapid Freezing Chambers, and -60°C Ultra-low Temperature Cold Storage. Leveraging our extensive expertise and proven design capabilities, we relentlessly pursue technological excellence, have been granted multiple national patents, and built a sound technical barrier and product advantages.

Committed to continuous innovation, our company has successfully developed an intelligent mushroom cultivation chamber suitable for mushroom growth, an intelligent plant cultivation chamber suitable for plant growth, and a containerized controlled atmosphere mobile cold storage unit. In addition, it has integrated photovoltaic energy storage systems into its products, further expanding their application scenarios and empowering the development of multiple industries.

Our solutions are extensively utilized across key industries including Food Processing & Preservation, Mushroom Cultivation Systems, Commercial Retail Refrigeration, and Hospitality Cold Chain Management. With products successfully exported to India, Vietnam, Chile, UAE, Australia, Canada, Germany, USA and beyond, our innovations have earned consistent acclaim and trust from global clients for their operational reliability and technical sophistication.

## ■ 模块化智能冷冻机组 Modular intelligent refrigeration unit



### ● 产品特点

Product Features

#### 1、整体可拆卸设计，安装维修便捷高效，大幅降低运维成本。

Fully detachable design for simplified installation and maintenance, significantly reducing operation and maintenance costs.

#### 2、可整体集成至冷链运输车辆，实现一体化冷链配送，保障运输全程温控稳定。

Seamless integration into cold chain transport vehicles as complete refrigeration units, ensuring stable temperature control throughout the transportation process.

#### 3、适配国际标准冷藏集装箱，一键式安装部署，实现快速投产使用。

Compatible with ISO-standard refrigerated containers for one-click installation and deployment, enabling rapid commissioning.

#### 4、中英双语智能操作界面，灵活切换，满足国内外不同用户使用需求。

Bilingual intelligent interface with Chinese/English display switching capability, meeting the needs of different users at home and abroad.





# ■ 集装箱式智能移动冷库

## Intelligent containerized mobile cold storage

### ● 产品特点

Product Features

#### 1、采用冷藏集装箱箱体，结构强度高，满载状态下可实现整体吊装，适配多场景运输需求。

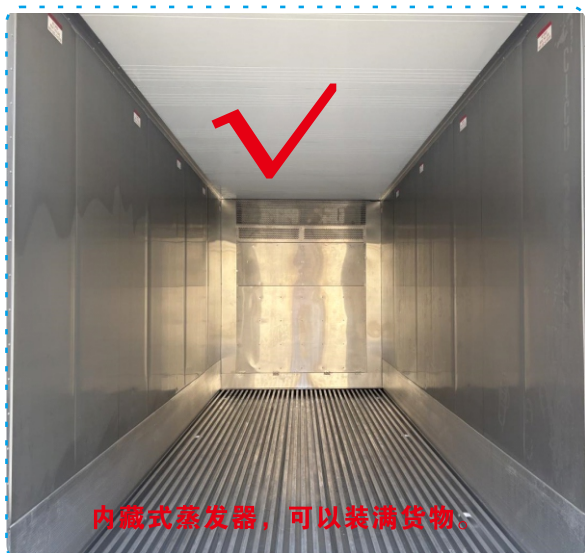
Refrigerated container body with robust structural integrity, capable of full-load hoisting as an integrated unit, adapting to multi-scenario transportation needs.

and English), Color screen (display language selectable: Chinese or English), adapting to different operating habits



#### 2、内藏式蒸发器结构，采用下出风上回风设计，最大化利用储存空间，制冷均匀性卓越，保障仓储品质。

Integrated evaporator structure with bottom airflow discharge and top return airflow, maximizing storage space utilization while ensuring excellent uniform cooling efficiency and guaranteeing storage quality.



内藏式蒸发器，可以装满货物。



普通冷库蒸发器需要预留通风空间  
货物储存空间大大降低。

### 3、冷链全程智能监控, 支持远程控制、实时温度监测、异常报警等功能, 操作便捷高效, 全程无忧。

Real-time cold chain monitoring with remote control, temperature tracking, alarm notification, and smart user-friendly operation, ensuring worry-free operation.



### 4. 箱体采用冷藏集装箱一体式结构, 外观简约大气, 运输便捷, 可直接装船发运至全球各地。

The unit utilizes a refrigerated container structure with a sleek and elegant appearance, optimized trans portability, and direct vessel-loading capability for worldwide shipping.



### 5、内胆采用不锈钢材质, 外壳为防锈铁, 地板选用T型铝板, 洁净卫生、强度出众; 箱板采用高密度发泡工艺, 保温隔热性能优异, 有效降低能耗。

The interior is made of stainless steel, the exterior is made of rust-resistant iron, and the floor is constructed with T-shaped aluminum panels, ensuring a clean and hygienic environment with high strength. The box panels are constructed with high-density foamed material, providing excellent thermal insulation performance and effectively reducing energy consumption.

### 6、多规格显示屏可选: 触摸屏 (操作界面可中英双语切换)、彩屏 (可自由选择中文或英文显示), 适配不同操作习惯

Multiple display options are available: Touchscreen (user interface switchable between Chinese and English), Color screen (display language selectable: Chinese or English), adapting to different operating habits.





# 智能移动速冻库

## Intelligent Mobile Rapid Freezing Chamber

### 产品特点

Product Features

- 1、采用冷藏集装箱箱体，结构强度高，外观简约大气，运输便捷，可直接装船发运至全球各地。**  
The unit utilizes a refrigerated container structure with high mechanical integrity, an aesthetically refined profile, optimized transport ability, and direct vessel-loading capability for worldwide shipping.
- 2、内胆采用不锈钢材质，外壳为防锈铁，地板选用T型铝板，洁净卫生、耐腐蚀，易清洁维护。**  
The interior is made of stainless steel, the exterior is made of rust-resistant iron, and the floor is constructed with T-shaped aluminum panels, ensuring a clean and hygienic environment with corrosion resistance and easy cleaning and maintenance.
- 3、箱板采用高密度发泡工艺，保温隔热性能优异，有效锁住低温，降低能耗损耗。**  
The box panels are constructed with high-density foamed material, providing excellent thermal insulation performance, effectively retaining low temperature and reducing energy consumption.

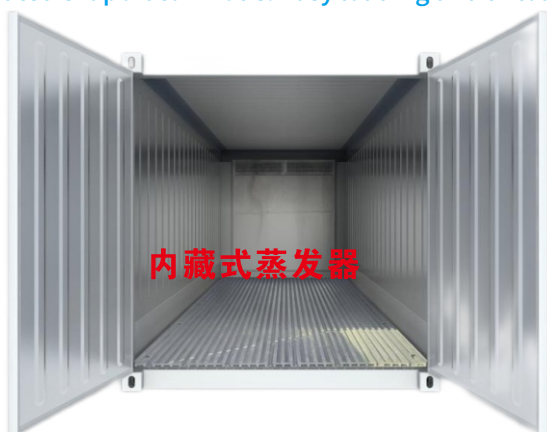


- 4、搁架式速冻模式，降温速度迅猛，能耗低，可快速锁住食材水分，最大限度保留食材新鲜度与营养成分。**

Shelf-Mounted mode: rapid cooling speed, low energy consumption, quick moisture retention, maximizing the preservation of food freshness and nutritional components.

- 5、内藏式蒸发器速冻模式，装卸货物便捷高效，化霜速度更快，大幅提升作业效率。**

Integrated evaporator mode: Easy loading and unloading, faster defrosting, greatly improving work efficiency.



# -60°C超低温冷库

## -60°C Ultra-low temperature cold storage

### ● 产品特点

Product features

- 1、集装箱一体化集成设计，整合制冷机组、冷凝器、蒸发器等核心模块，即插即用，无需复杂基建，可直接装船发运至全球各地，大幅缩短投产周期。

The unified containerized system integrates a complete refrigeration unit (compressor unit, condenser, evaporator) with plug-and-play operation. It can be directly loaded onto ships for worldwide transportation without complex infrastructure requirements, greatly shortening the commissioning cycle.



- 2、内胆采用不锈钢材质，外壳为防锈铁，地板选用T型铝板，洁净卫生、强度出众；箱板采用高密度发泡工艺，保温隔热性能优异，有效维持超低温环境稳定。

The interior is made of stainless steel, the exterior is made of rust-resistant iron, and the floor is constructed with T-shaped aluminum panels, ensuring a clean and hygienic environment with high strength. The box panels are constructed with high-density foamed material, providing excellent thermal insulation performance and effectively maintaining the stability of the ultra low temperature environment.

- 3、超低温精准控温技术，采用复叠式制冷（双级压缩制冷）工艺，搭配R404A+R23专用冷媒，突破普通单级制冷技术极限，可稳定实现-60°C~-70°C超低温冷藏，满足高端存储需求。

Ultra-low temperature precision control: Utilizing cascade refrigeration technology (two-stage compression refrigeration) with special refrigerants (R404A + R23), this system breaks through the cooling limits of conventional single-stage refrigeration systems, stably achieving ultra-low temperature cold storage at -60°C to -70°C to meet high-end storage needs.

- 4、智能冷链监控系统，支持全程远程监控、实时温度查看、异常报警等功能，操作智能便捷，保障存储安全。

Intelligent cold chain monitoring system: Supports real-time remote monitoring, temperature tracking, alarm notification, and other functions, with intelligent and convenient operation to ensure storage safety.

- 5、-60°C超低温存储解决方案：

- 1、高端食材锁鲜：针对金枪鱼、鹅肝等珍稀高端食材，通过-60°C以下超低温快速冷冻技术，减少冰晶形成对食材细胞结构的破坏，完美保留食材原生口感与营养成分。
- 2、科研与医学保障：适配需-60°C左右低温存储的疫苗，有效维持疫苗活性；可用于干细胞低温保存，延缓生物活性衰退，为科研、医学领域提供可靠存储支撑

-60°C Ultra-Low Temperature Storage Solutions:

- 1、Premium Ingredient Preservation: For premium ingredients like tuna and foie gras, rapid freezing at temperatures below -60°C minimizes ice crystal formation, preserving cellular integrity, original texture, and nutritional value.
- 2、Scientific & Medical Applications: Suitable for vaccines requiring storage at approximately -60°C to maintain potency; can be used for low-temperature preservation of stem cells to delay biological activity degradation, providing reliable storage support for scientific research and medical fields.



# ■ 气调式移动冷库

## Containerized controlled atmosphere mobile cold storage

### ● 产品特点

Product features

- 1、结构坚固耐用，采用冷藏集装箱作为箱体，气密性极佳，可精准调控箱内气体成分比例，有效减少气体交换，维持库内恒定保鲜环境，保障存储品质。

Containerized Controlled Atmosphere mobile cold storage utilizes refrigerated container structures with excellent air tightness. This sealing technology enables precise regulation of internal gas composition ratios, effectively minimizing gas exchange to maintain a stable preservation environment and ensure storage quality.

- 2、长效保鲜，损耗可控：融合精准温控与库内气体成分调节技术，在智能阶梯式降温等精准温控基础上，通过调控库内氧气（可控制在3%以下）、二氧化碳等气体浓度，诱导果蔬进入深度休眠状态，减缓新陈代谢速度，大幅延长保鲜周期，降低产后损耗。

Long-term fresh-keeping with controllable loss: Integrating temperature control and storage atmosphere regulation technologies, building upon intelligent precision temperature control technology (e.g., automatic step-cooling control), it precisely regulates oxygen (can be controlled below 3%) and carbon dioxide concentrations within the chamber, inducing deep dormancy in fruits and vegetables, thereby slowing down the metabolic rate, significantly extending the fresh-keeping period, and reducing post-harvest losses.



- 3、智能加湿升级：在基础制冷功能之上，增设高端加湿模块，精准补充果蔬因制冷过程流失的水分，维持果蔬新鲜饱满状态。

Intelligent humidification upgrade: Building upon standard refrigeration capabilities, our system integrates an advanced humidification module that precisely compensates for moisture loss caused by refrigeration, maintaining the fresh and plump state of fruits and vegetables.

- 4、灭菌消毒防护：内置专业灭菌消毒系统，可有效降解果蔬中的霉菌、病毒、细菌等有害物质，同时抑制营养成分流失，保障果蔬食用安全与品质。

Sterilization and disinfection protection: Equipped with a professional sterilization and disinfection system, it can effectively degrade harmful substances in vegetables and fruits, such as mold, viruses, and bacteria, while inhibiting the loss of nutrients, ensuring the food safety and quality of fruits and vegetables.

# 智慧菌菇种植仓

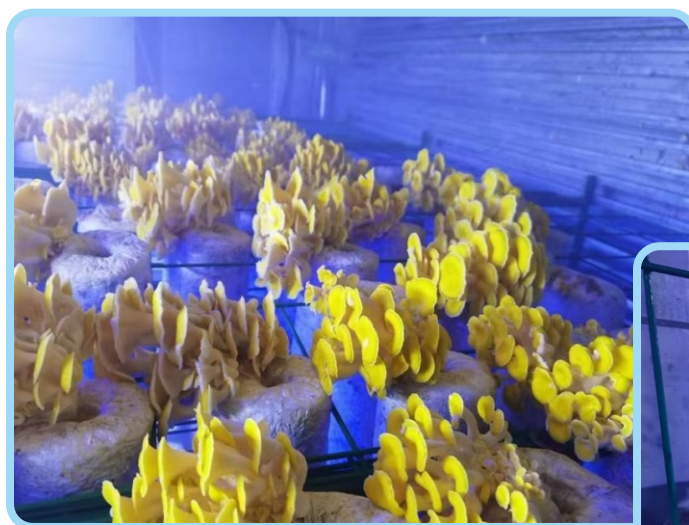
## Intelligent modular mushroom cultivation chamber

智慧温控加速菌丝培养与蘑菇生长, 提升仓内产能  
Smart temperature control accelerates mycelium cultivation and mushroom growth, boosting chamber productivity



精准调控二氧化碳与湿度, 优化呼吸代谢, 确保蘑菇形态美观、品质优异。

Precise CO<sub>2</sub>/humidity regulation optimizes respiratory metabolism, ensuring aesthetic morphology and premium quality.





## Product features

It adopts a standard refrigerated container with an integrated structure that is aesthetically pleasing, easy to transport as a whole, and can be directly loaded onto ships for worldwide transportation. Ready to use upon plugging in, it offers convenience and efficiency, and is suitable for diverse scenarios such as Eco-farms, biological laboratories, communities, and supermarkets.

**High-end material construction:** The interior of the box is made of stainless steel, and the floor is constructed with T-shaped aluminum panels, offering corrosion resistance, ease of cleaning, and rapid drainage. The unit is constructed from aluminum and stainless steel with professional corrosion-resistant treatment, and can be embedded into the container body.



The panel of the unit is equipped with forklift slots for easy disassembly. Vertical efficient cultivation: The built-in steel frame structure design allows for vertical layered cultivation of mushroom sticks. Taking oyster mushroom sticks as an example, a single cabin can accommodate approximately 5000 mushroom sticks, significantly enhancing space utilization efficiency and maximizing productivity.

4、智能精准调控：搭载智能控制系统，通过高精度传感器实时监测并精准调控温度、湿度、二氧化碳浓度，为菌棒生长提供最优环境；支持掌上远程操作，可实时监测设备运行状态、灵活调整参数，运维高效便捷。

Intelligent precise control: Equipped with an intelligent control system, it real-time monitors and precisely regulates temperature, humidity, and carbon dioxide concentration through high precision sensors to provide the optimal growth environment for mushroom sticks. It enables mobile remote operation for real-time monitoring of equipment operation status and flexible adjustment of parameters, achieving efficient and convenient operation and maintenance.



5、宽温域适配：采用冷暖机组搭配直流变频技术，可在-30℃~45℃环境温度下稳定运行，适配不同地域气候条件。

Wide temperature range adaptation: Adopts a heating and cooling system with DC inverter technology, which can operate stably in an ambient temperature range of -30℃ to 45℃, adapting to different regional climate conditions.

6、多元加湿方案：加湿系统可选用高压超细喷雾喷嘴，或采用超声波、离心盘等多种加湿方式，适配不同菌菇生长的湿度需求。

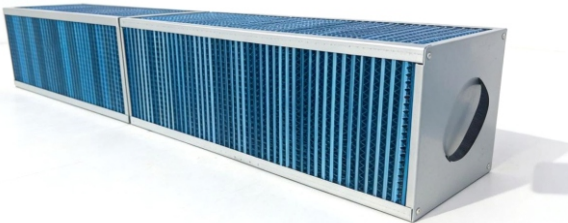
Diversified humidification solutions: The humidification system can utilize high-pressure ultra- fine spray nozzles, or employ ultrasonic, centrifugal disc, or other humidification methods to adapt to the humidity needs of different mushroom growth.

7、灵活送风选择：送风系统可选用纤维布风管，送风均匀柔和，避免直吹对菌菇生长造成影响；也可选用高压射流送风方式，维护便捷，同时保持仓内整洁美观。

Flexible air supply options: The air supply system can utilize fabric air ducts, which provide uniform and gentle air distribution and effectively avoid the impact of direct airflow on normal mushroom growth. Alternatively, a high-pressure jet air supply method can be adopted, which is easier to maintain and contributes to a cleaner, more organized interior space.

8、高效节能新风：采用全铝热交换新风系统，通过铝制热交换芯体实现室内外空气能量回收，兼顾节能与空气质量，相比传统无热交换新风系统，节能率可达50%以上。

Efficient and energy-saving fresh air: Employs an all-aluminum energy recovery ventilation (ERV) unit, which realizes energy recovery of indoor and outdoor air through an aluminum heat exchange core, balancing energy saving and air quality. Compared with traditional fresh air systems without heat exchange, the energy saving rate can reach more than 50%.





## 9、智能光照管理：配备双色LED灯，可根据菌菇不同生长阶段自动切换开关状态，精准匹配生长需求，促进菌菇优质生长。

Intelligent lighting management: Equipped with dual-color LED lights that automatically turn on and off according to different growth stages of mushrooms, precisely matching growth needs and promoting high-quality growth of mushrooms.



## 10、自动清洁运维：搭载孢子粉自动清洗系统，可实时感知过滤网堵塞情况，自动执行清洗操作，减少人工运维成本，保障设备稳定运行。

Automatic cleaning and maintenance: Equipped with an automatic spore powder cleaning system, which can real-time detect filter screen clogging and automatically perform cleaning operations, reducing manual operation and maintenance costs and ensuring stable operation of the equipment.



## 成功案例

### Success cases

我司研发的智慧菌菇种植仓，已成功实现平菇、杏鲍菇、松茸、香菇等多种菌菇的实验种植与规模化培育。目前，种植方仓已出口阿联酋、澳大利亚、加拿大、德国等多个国家，均实现成功种植与稳定产出，凭借卓越性能与可靠品质，赢得海外客户的高度认可与一致好评。

Our developed intelligent modular mushroom cultivation cabin has been successfully trialed and scaled for cultivating oyster mushrooms, king trumpet mushrooms, matsutake and shiitake mushrooms. At present, the cultivation chambers have been exported to the United Arab Emirates, Australia, Canada, Germany and many other countries, all achieving successful planting and stable output. With excellent performance and reliable quality, it has won high recognition and consistent praise from overseas clients.

### 加拿大平菇采摘

mushroom picking in Canada



### 西藏蘑菇种植方舱项目落地

Tibet Modular Mushroom cultivation chamber Project Launched



### 澳洲5台蘑菇种植箱

5 mushroom cultivation chambers in Australia



### 迪拜客户平菇菌棒入仓

Dubai's clients oyster mushrooms enter the cultivation chamber



# ■ 菌菇、植物种植一体机

## All-in-one mushroom and plant cultivation unit

### ● 产品特点

Product Features

- 1、采用冷暖机组搭配直流变频技术,可在-30℃~45℃环境温度下稳定运行;搭载全铝热交换新风系统,高效节能,大幅降低运维成本。

The unit adopts a heating and cooling system with DC inverter technology and can operate stably in an ambient temperature range of -30℃ to 45℃. The system employs an all-aluminum energy recovery ventilation (ERV) unit, achieving high efficiency and energy conservation and significantly reducing operation and maintenance costs.



- 2、适配场景广泛,可用于自建大棚、保温房等场所的菌菇及植物种植,灵活满足多元培育需求。

Suitable for a wide range of scenarios, it can be used for mushroom and plant cultivation in self-built greenhouses, insulated rooms, and similar settings, flexibly meeting diverse cultivation needs.



- 3、智能自动调控,可实现温度(冷暖)、湿度、光照及新风(二氧化碳)的全维度自动控制,为菌菇与植物生长提供最优环境。

Intelligent automatic control: Enables automatic control of temperature (cooling and heating), humidity, lighting, and fresh air (carbon dioxide) in all dimensions, providing the optimal environment for the growth of mushrooms and plants.



# 智能植物种植方舱

## Intelligent modular plant cultivation chamber

信实制造 · 让新鲜触手可及

Xinshi Manufacturing · Freshness Within Reach

### 产品特点

Product features

#### 1、打破边界 · 全年种植

Breaking Boundaries · Year-Round Cultivation

- 模块化集装箱设计, 可快速部署于城市、荒漠、海岛等任何场景; 恒温恒湿系统搭配智能光照调控, 彻底摆脱季节与地域限制, 实现全年不间断、无污染高效种植。

Modular container design enables rapid deployment in any scenario—cities, deserts, islands, and beyond. Constant temperature and humidity system combined with intelligent lighting control completely eliminates seasonal and geographical constraints, delivering uninterrupted, pollution-free efficient cultivation year-round.



#### 2、小空间 · 大产出

Small Footprint · Big Yield

- 立体种植多层架设计, 单位面积产量是传统农田的 3-5 倍; 支持灵活混种, 可同时培育多种植物, 满足多元培育需求; 采用水培/雾培先进技术, 叶菜类 20-25 天即可采收, 大幅提升培育效率。

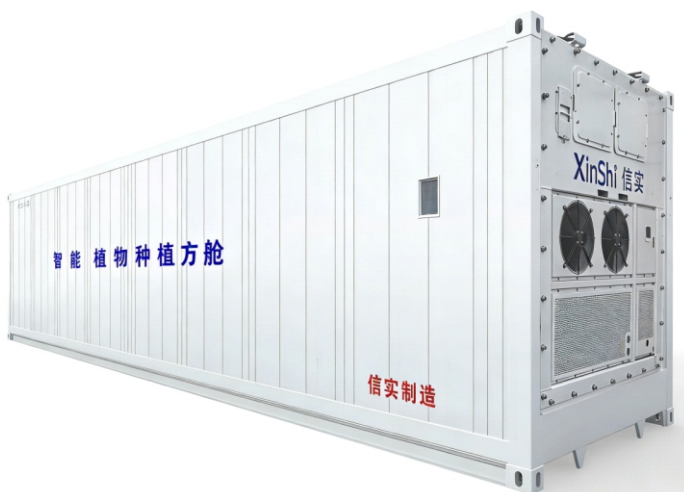
Vertical farming with multi-tier racking design yields 3–5 times more per unit area than traditional farmland. Flexible polyculture supports simultaneous cultivation of a variety of plants to meet diverse needs. Adopting advanced hydroponic/aeroponic technology, leafy greens can be harvested in just 20–25 days, greatly improving cultivation efficiency.

#### 3、看得见的健康 · 智能化管理

Visible Health · Smart Management

- 物联网智能监控系统, 可远程查看各项数据, 一键调控温湿度与光照, 运维便捷; 封闭舱体设计, 有效隔绝病虫害, 采用无土栽培模式, 零农药、零化肥, 保障作物绿色健康。

Smart monitoring: IoT system enables remote data viewing and one-touch adjustment of temperature, humidity, and lighting for convenient operation and maintenance. Sealed chamber keeps pests and diseases out; soil less cultivation with zero pesticides or chemical fertilizers ensures green and healthy crops.



# ■ 光伏储能应用系统

## Solar PV+Energy Storage System

本产品专为集装箱移动冷库与蘑菇种植方舱量身打造，深度融合光伏、风能、储能与逆变核心技术，首创“光-风-储-柴-机”协同供电系统，无需改变原有使用习惯，即可实现用电方式的根本性升级，赋能绿色低碳发展。

This product is specially designed for containerized mobile cold storage and mushroom cultivation chambers, deeply integrating photovoltaic, wind power, energy storage, and inverter core technologies to create a pioneering “PV-wind-storage-diesel-unit” integrated power supply system. It delivers a fundamental shift in power usage without altering existing usage habits, empowering green and low-carbon development.

### ● 产品特点

Product Features

#### 1、双模适配，新旧兼容：产品配备两种安装模式，适配各类新旧设备，实用性极强。

The product has two modes and is compatible with both new and old equipment.

#### ● 集成式：设备嵌入冷库或方舱内部，整机运输、到场即用，适配移动场景，省心高效。

Integrated type: The unit is embedded inside the cold storage or cabin, transported as a complete unit and ready for use upon arrival—offering greater convenience for mobile applications.



#### ● 外置式：独立安装于箱体侧面，不占用内部存储空间，同时适配已有冷库升级改造，一次性投入，即可让老设备迈入新能源时代，降低升级成本。

External type: Independently mounted on the side of the container or cabin without occupying internal storage space. It is also suitable for upgrading existing cold storage facilities—with a single investment, you can bring old equipment into the "new energy era" and reduce upgrade costs.



**2、清洁能源, 全域供电:**光伏板、风能电机直接安装于集装箱顶部, 将闲置顶部空间转化为“微型发电站”;晴天用光、有风用风, 优先为制冷机组提供清洁电力, 多余电量自动储存, 即使在无市电覆盖的田间地头、偏远工地等场景, 也能实现全天候自主供电, 彻底摆脱市电依赖。

Clean energy: Photovoltaic panels and wind turbines are installed directly on top of containers, transforming unused rooftop space into "micro power stations." They harness sunlight on sunny days and wind on windy days, prioritizing the supply of clean electricity to refrigeration units. Any surplus power is automatically stored, enabling round-the-clock self-sufficient power supply even in areas without access to the grid, such as remote fields or construction sites, achieving complete independence from the utility grid.

**3、智能调度, 高效节能:**系统内置智能能源管理策略, 全程自动切换供电模式, 无需人工干预;阳光充足、风力强劲时, 机组完全由新能源供电, 实现用电近乎“零成本”;新能源波动或负载增加时, 储能电池无缝补电, 保障冷库、方舱稳定运行, 兼顾节能与可靠性。

Intelligent power dispatch: smarter than manual control. The system features a built-in intelligent energy management strategy that automatically switches power supply modes throughout the entire process without requiring manual intervention. When sunlight is abundant and the wind is strong, the unit is powered entirely by renewable energy, making electricity costs nearly zero. When renewable energy fluctuates or the load increases, the energy storage battery seamlessly supplements the power supply to ensure stable operation of the cold storage and cabin, balancing energy conservation and reliability.



## ■ 制冷功率参数 Parameter

| 箱型<br>Container type                                | 20尺保鲜       | 20尺冷冻/40保鲜    | 20急冻/40尺冷冻    | 20尺速冻             |
|-----------------------------------------------------|-------------|---------------|---------------|-------------------|
| 制冷机组型号 Unit type                                    | XSJZ40F     | XSJZ60F       | XSJZ80F       | SLJZ250           |
| 压缩机                                                 | 4P谷轮        | 6P谷轮          | 8P谷轮          | 12.5*2谷轮          |
| 制冷剂Refrigerant                                      | R404A/R448A | R404A/R448A   | R404A/R448A   | R507              |
| 电源 相/电压Power                                        | 2N~220V     | 3N~380V/460V  | 3N~380V/460V  | 3N~380V/460V      |
| 电源频率Power frequency                                 | 50Hz        | 50Hz/60Hz     | 50Hz/60Hz     | 50Hz/60Hz         |
| 满负荷最大电流<br>Maximum current at full load             | 22          | 17            | 21            | 25*2              |
| 制冷量/功率 <sup>①</sup><br>Refrigerating capacity/power | 6.2KW/3.8kw | 13.5KW/6.8kw  | 17KW/8.5kw    | 27*2KW/13.5*2kw   |
| 制冷量/功率 <sup>②</sup><br>Refrigerating capacity/power | 4KW/3.2kw   | 6.5KW/4.8kw   | 8KW/6kw       | 12.5*2KW/12.1*2kw |
| 库温使用范围<br>(temperature range) °C                    | -15~+30°C   | -20/-15~+30°C | -25/-20~+30°C | -35~+30°C         |

① (环境38°C, 库温0°C) environment temperature 38°C, storage temperature 0°C

② (环境38°C, 库温-18°C) environment temperature 38°C, storage temperature -18°C

## ■ 智慧菌菇种植仓参数

Intelligent modular mushroom cultivation chamber specifications

| 制冷机组型号(Model No.)             | XSMGX60F-LN           | XSMGX80F-LN          |
|-------------------------------|-----------------------|----------------------|
| 压机功率                          | 6P                    | 8P                   |
| 制冷剂(Refrigerant)              | R410/R448 6.2KG       | R410/R448 6.8KG      |
| 电源电压(Voltage)                 | 380V                  | 380V/3N+1            |
| 电源频率3相电(Phase3)               | 50Hz                  | 50Hz                 |
| 满负荷最大电流/功率(Full load current) | 12.6A/7KW             | 15.3A/8.5KW          |
| 制冷量(35°C)/输入功率                | 15KW/5.9KW            | 20KW/7.9KW           |
| 制热量(0°C)/输入功率(Capacity)       | 13.2KW/5.07KW         | 17.6KW/6.76KW        |
| 制热量(-10°C)/输入功率               | 12.6KW/5.25KW         | 16.8KW/7KW           |
| 制热量(-20°C)/输入功率               | 11.4KW/6.33KW         | 15.2KW/8.44KW        |
| 内机循环风量/功率                     | 3000m³/H*2 / 0.75KW*2 | 4000m³/H*2 / 1.1KW*2 |
| 新风风量/功率(Compressor)           | 3000m³/H / 0.75KW     | 4200m³/H / 1.1KW     |
| 雾化加湿器(Atomizer)               | 25L/H *2              | 25L/H *2             |
| 喷淋清洗水泵(Water pump)            | 8L/min                | 8L/min               |

① 环境 38°C, 库温10°C(environment temperature 38°C, storage temperature 10°C)

## ■ 智慧植物种植参数

Intelligent modular mushroom cultivation chamber specifications

| 制冷机组型号(Model No.)                    | XSZWC50F-LN           | XSZWC70F-LN           |
|--------------------------------------|-----------------------|-----------------------|
| 压机功率                                 | 5P                    | 7P                    |
| 制冷剂(Refrigerant)                     | R410/3.7KG            | R410/ 5.2KG           |
| 电源电压(Voltage)                        | 220V/380V             | 220V/380V             |
| 电源频率3相电(Phase3)                      | 50Hz                  | 50Hz                  |
| 满负荷最大电流/功率(220v)                     | 25A/5.5KW             | 34.1A/7.5KW           |
| 满负荷最大电流/功率(380v) (Full load current) | 10A/5.5KW             | 13.5A/7.5KW           |
| 制冷量(35°C)/输入功率                       | 12.5KW/4.9KW          | 17.5KW/6.9KW          |
| 制热量(0°C)/输入功率(Capacity)              | 13KW/4.22KW           | 18.2KW/5.95KW         |
| 制热量(-10°C)/输入功率                      | 10.5KW/4.37KW         | 14.7KW/6.12KW         |
| 制热量(-20°C)/输入功率                      | 9.5KW/5.27KW          | 13.3KW/7.38KW         |
| 内机循环风量/功率                            | 2500m³/H*2 / 0.55KW*2 | 3000m³/H*2 / 0.75KW*2 |

① 环境 38°C, 库温10°C(environment temperature 38°C, storage temperature 10°C)

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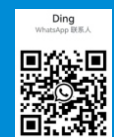
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