Smart Frozen Locker

A smart device that is specially designed for "The last mile" delivery of fresh food, and is used for the temporary refrigerated storage and circulation of fresh food. The locker resolves the difficulties in freshness retaining , improves user experience and delivery efficiency.

Business Challenges

Difficult temporary storage

1. It is difficult to store fresh food
2. Fresh food is damaged and wasted easily when piled disorderly

High distribution cost

1. Tight end distribution schedule
2. Demanding distribution device

Poor service experience

1. Handover time cannot be guaranteed
2. Fresh food quality cannot be guaranteed

❝ Solution ❞

Zhilai has launched the smart frozen locker to especially resolve the supply chain disruption risk and quality control difficulty in the "Last mile" delivery of frozen food, medical cold chain and other ultra-low temperature commodities. The machine temperature fluctuation is within ±1℃ which fulfills the critical storage standard of vaccine, abyssal cold chain, and other valuable commodities. The locker helps merchants to establish compliant reliable tracking system of cold chain, effectively reduces end loss rate of frozen commodities, and provides the infrastructure of ultra-low temperature delivery of medicine cold chain, high-end fresh food, etc.
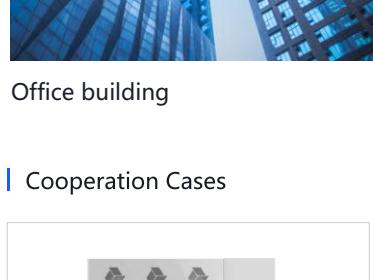
Product Features

- Quick effective frozen storage
- Clean space and fresh food
- Efficiency improvement by off-peak drop-off and pickup
- Automatic alarm to compartment fault
- Smart regulation of operating power
- Multiple protection and smart monitoring
- Independent compartments avoid taint of odor
- 7*24 self-service
- Smart easy quick drop-off and pickup
- Smart report of temperature control fault
- Low decibel silent operating
- Digital maintenance and remote management
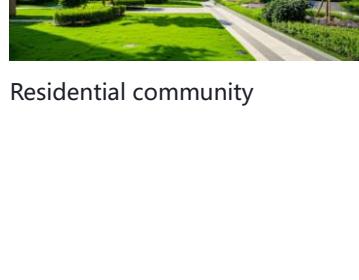
Product Specification

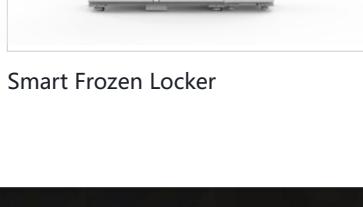|	
Starter dimension (L*D *H):	480*616*2173mm
Adder dimension (L*D *H):	1290*616*2173mm
Adder:	10 compartments
Effective capacity per compartment:	51.4L
Refrigeration temperature range:	-18℃ - -12℃, upper limit adjustable

Application Scenarios

Office building

Residential community

Factory

Cooperation Cases

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