



BALCONY ONE SKILIFT

Smart Panoramic Balcony Facade System





Customized Living · Better Understanding of Life

Panoramic Intelligence · Electric Lift Window

As a high-end intelligent window product, the electric lift window can meet consumers' needs for convenient operation, personalized settings, and improved lighting and ventilation, which will attract more consumers to choose installation, thereby promoting market expansion.

Overall, the electric window industry has great development potential and a promising growth trend, but at the same time, it also faces market competition and technical challenges. Enterprises need to continuously innovate and improve product quality and service to adapt to market changes and meet consumer needs.





Industrial Servo Motor

1. High-Precision Control

The servo motor is equipped with a high-performance encoder, enabling precise position control and stable operation. It accurately adjusts opening and closing positions, ensuring smooth and efficient performance for intelligent skylight systems.vv

2. Responsive Speed

The servo motor is equipped with a high-performance encoder, enabling precise position control and stable operation. It accurately adjusts opening and closing positions, ensuring smooth and efficient performance for intelligent skylight systems.vv

3. Reliability

The servo motor is designed with high-quality materials and advanced technology to ensure durability and stable operation. Even in unusual situations, it can continue functioning safely and reliably.

4. Flexibility

The servo motor can adapt to different operational needs and settings, offering multiple control options and suitable movement methods for various environments.



✓ Electric Lift System

Supports large opening and closing, with up to 50% maximum opening range.



✓ Dual Safety Protection

Instant stop when obstacles are detected for enhanced safety.



✓ Smart Configuration

Multiple control options including remote control, mobile app, WiFi, and smart voice control.



Stable Quality
Personalized Setting
Super Secure



Convenient Operation :

Users can control the system remotely through a mobile app or smart voice control. Whether at home or away, functions such as opening, closing, and lifting can be managed conveniently for a smarter living experience.

Rich Functional Features :

Includes intelligent sensing functions such as automatic opening/closing for ventilation and environmental adjustment, helping maintain indoor air circulation and comfort.

Smart Home Integration :

Compatible with smart home systems for seamless operation. For example, the skylight can automatically open for ventilation or close when rain is detected, creating a smarter and more comfortable environment.

Smart Electric Lifting Window

Smart Touchscreen

Human-Computer Interaction Experience

- User-friendly interface: Responsive touch control and delayed screen sleep.
- Touch and enjoy: The touchscreen software has built-in multiple functions.
- Window/screen control: Control lifting and pausing of windows and integrated screens, and access basic debugging interfaces.
- Convenient settings: Easy function configuration and fault information display.



Control Methods



Remote Control

Open freely from anywhere indoors. Dual-channel remote control allows one-touch opening of both windows and screens.



Touchscreen Control

Open freely right by the window side to quietly enjoy the natural breeze.



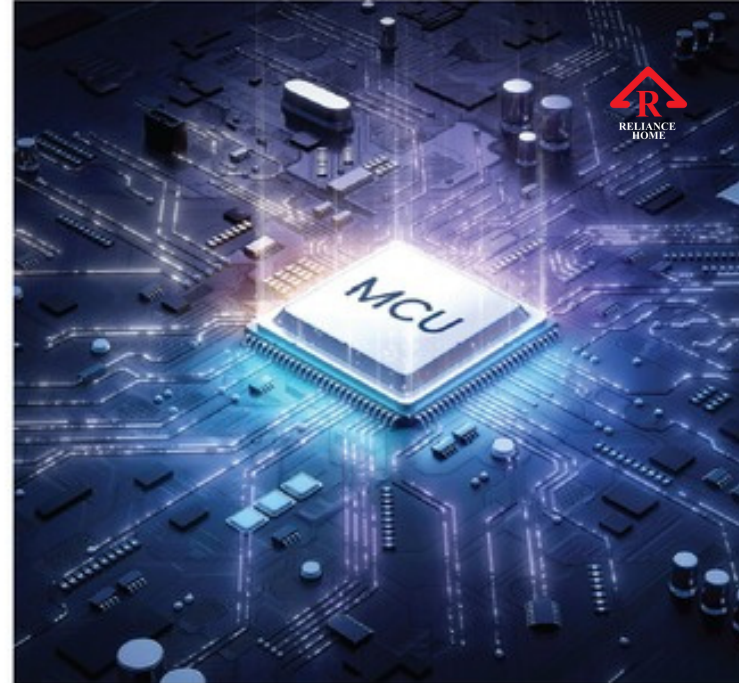
Fearless of Super Typhoons

Worry-free even in heavy winds and torrential rain

Solid profile design that braves fierce winds and rainstorms. Equipped with a wind and rain sensor, it automatically closes the windows even when you are not at home. It features excellent wind resistance and outstanding watertight performance.



Wind and Rain
Sensor



Industrial MCU Powering Smart Home Systems

- Independently developed 1-to-2 servo drive control system
- Supports high-precision encoder signal inputs
- Single MCU drives dual servo motors
- Perfect integration of motor drive and logic a
- Servo triple-loop control technology (current loop, speed loop, position loop) ensures fast response and precise synchronization of the dual servo motors.

Double Servo Screw Electric Lifting Window System

- Industrial servo motor: fast, accurate, stable, and quiet.
- Industrial worm gear: self-locking mechanism, compact structure, smooth operation.
- Industrial ball screw: smooth lifting and sliding, multi-speed silent operation, worry-free windows.

①

Double
Servo
Screw



②

Double
Servo
Screw

HIGH

Precision Twin Screw

High load, wear resistance and high heat

- The mechanism utilizes an optimized structure incorporating spherical bearings.
- The ball nut indirectly secures the movable window sash.
- (Simplifies installation, improves efficiency, and ensures structural stability)
- Utilizes high-precision carbon steel dual transmission screws.
- Capable of withstanding higher loads and torques.
- Precise average transmission ratio, providing more stable power transmission.
- Wear-resistant and high-temperature resistant, with no elastic slippage or speed drift, enabling precise control over the lifting of the entire window.



High Load
Capacity



Stable
Transmission



Safe and
Reliable



Long Service
Life



300KG SUPER STRONG LOAD-BEARING CAPACITY

Dual servo motors, worm gear +
ball screw transmission.

Ingenious structure, stable transmission, the
premier choice for small and medium-sized
windows.

Recommended Width : **1M - 5M**
Recommended Height : **1.8M - 2.2M**

Try to keep the weight within **350kg**;
weights exceeding this limit require
customization.

EASY TO INSTALL, MORE STABLE STRUCTURE

The mechanism utilizes a suspended structure
and incorporates spherical bearings.

The ball nut indirectly secures the movable window
sash, simplifying installation, improving efficiency,
and ensuring structural stability.

Hardware accessories are streamlined, resulting in
high installation efficiency.



YUEJIANG Y3PRO

BROKEN BRIDGE SERIES

Product configuration

- Aluminum Material : Jianmei aluminum 6063-T5/T6
- Surface Treatment : Tiger powder
- Drive System : Double servo motor / double screw drive
- Window Screen : American Feifer gauze
- Motor : Duya Motor
- Voice control system
- Mobile APP remote control system
- Rain sensing automatic shutdown system
- Remote control system
- LCD panel control system
- Other smart home control systems
- Electrically controlled anti-pinch hand
- Child protective lock function
- Physical anti-pinch hand
- Lighting : Ambient light
- Power : 24V standby power port
- Glass (Standard) : 6+20A+6 Xinyi insulating glass (other specifications optional)

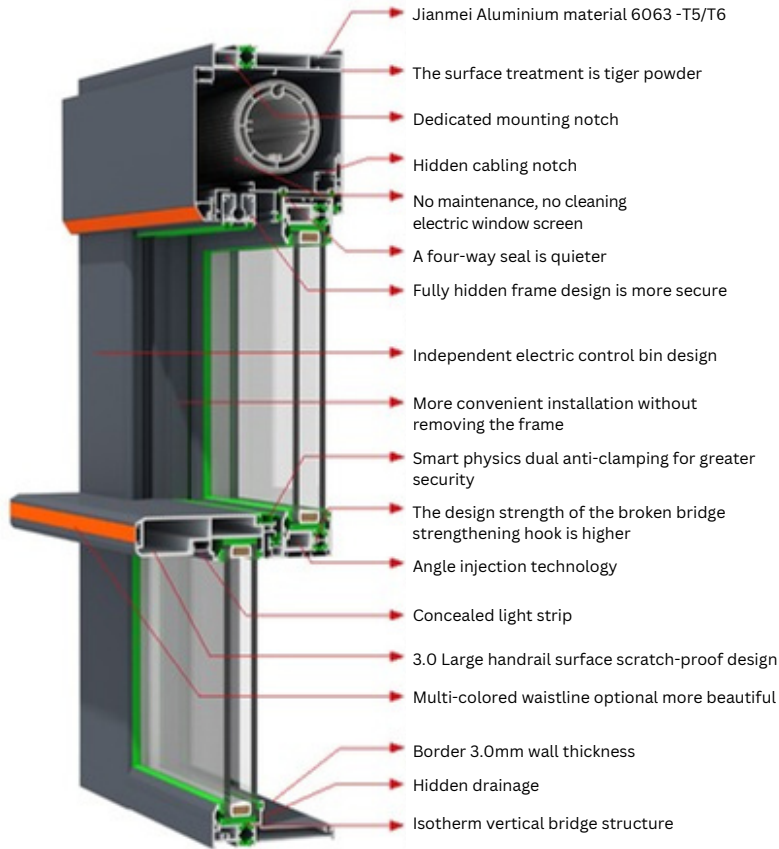
Combined form



Optional color



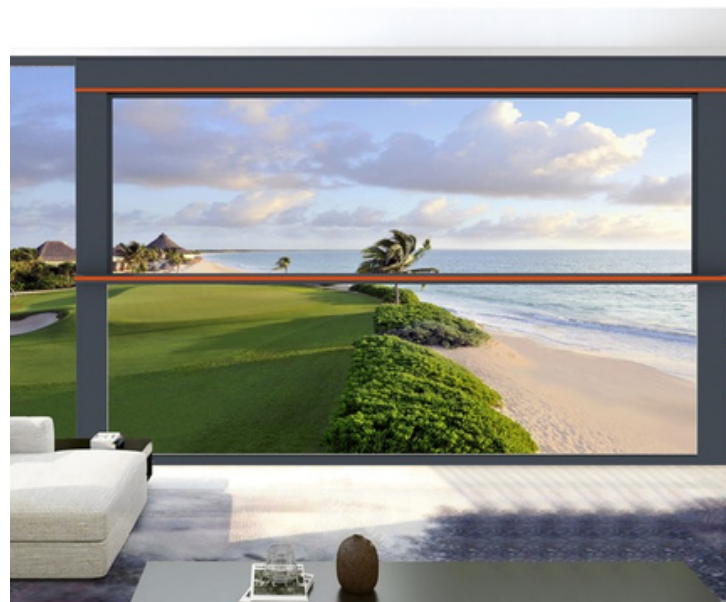
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BALCONY ONE SKI LIFT

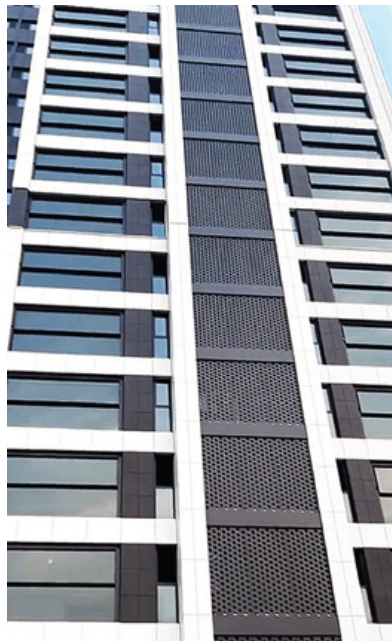
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ENGINEERING CASE







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