



BALCONYTM ONE SKILIFT

Smart Panoramic Balcony Facade System





Customized Living · Better Understanding of Life

Panoramic Intelligence · Electric Lift Window

As a **high-end intelligent window solution**, the Electric Lift Window meets the growing demand for **convenient operation, smart automation, personalized settings, and enhanced natural lighting and ventilation**.

With the rapid growth of **smart home technology**, Electric Lift Windows offer strong market potential. Their innovative features deliver a **safer, smarter, and more comfortable living experience** for modern homes and commercial spaces.





Industrial Servo Motor

1 High-Precision Control

The servo motor features a **high-performance encoder** for **precise position control** and smooth, stable operation. It ensures accurate opening and closing, delivering reliable performance for intelligent skylight systems.

2 Fast Response Speed

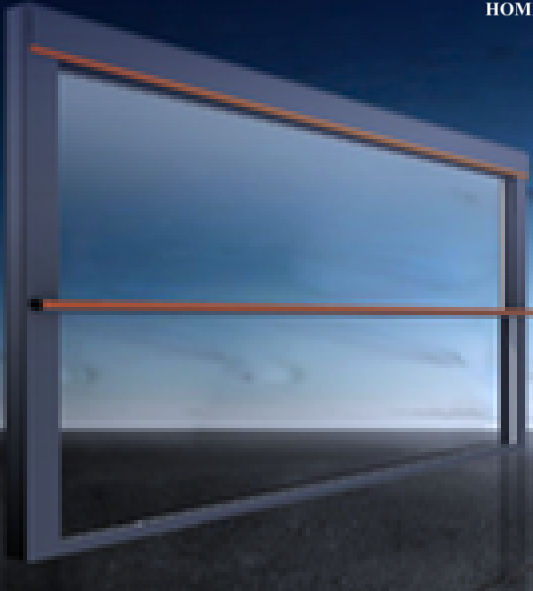
Servo motors deliver **fast response** and precise positioning, quickly adapting to changing conditions for smooth and accurate operation.

3 Reliability

Built with **high-quality materials** and advanced technology, the servo motor delivers **durable, stable, and reliable performance**, ensuring safe operation even under demanding conditions.

4 Flexibility

The servo motor offers **flexible control options** and adapts to various operating requirements, ensuring smooth performance across different 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 :

Control the system remotely via a **mobile app** or **smart voice control**. Easily manage opening, closing, and lifting anytime, anywhere for a smarter living experience.

Smart Home Integration :

Seamlessly integrates with **smart home systems**, enabling automatic ventilation and **rain-sensing closure** for a smarter, more comfortable environment.

Rich Functional Features :

Features **intelligent sensing functions** for automatic opening, closing, and environmental adjustment, ensuring better **air circulation and indoor comfort**.



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

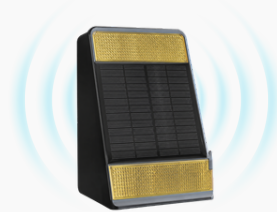
Open freely right by the **window side** to quietly enjoy the **natural breeze**.



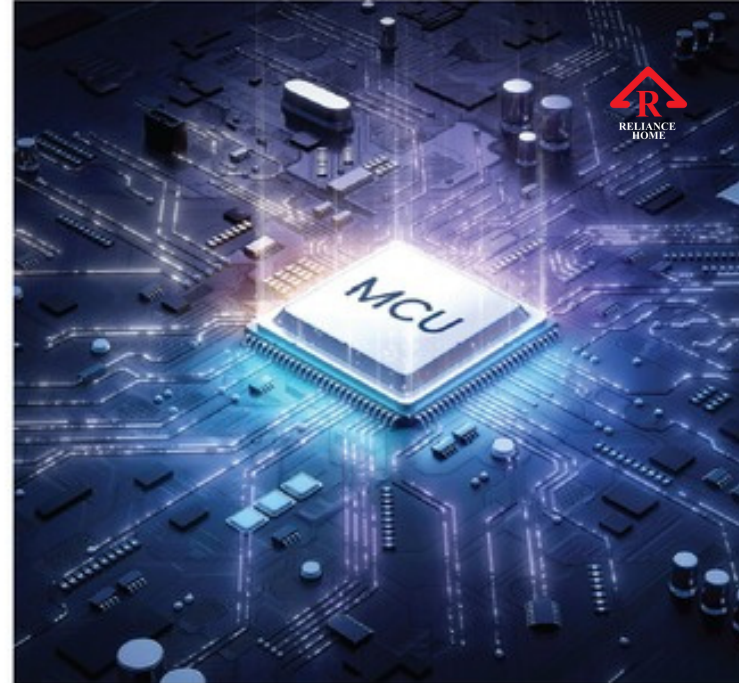
Fearless of Super Typhoons

Worry-free even in heavy winds and torrential rain

Designed with a **solid profile structure**, wind and rain sensors automatically close the windows during harsh weather, ensuring **excellent wind resistance and 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.



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

Equipped with **dual servo motors** and a **worm gear + ball screw system**, delivering smooth, stable operation and ideal performance for small and medium-sized windows.

EASY TO INSTALL, MORE STABLE STRUCTURE

The **suspended structure with spherical bearings** simplifies installation, enhances efficiency, and ensures **stable performance** with streamlined hardware components.

Recommended Width

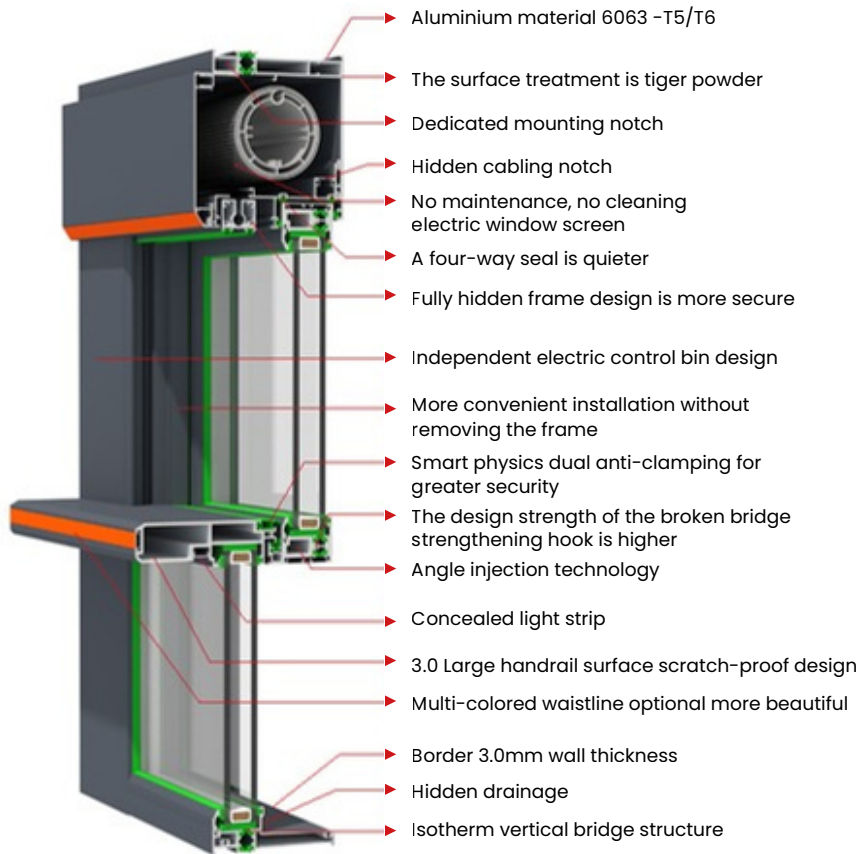
1M - 5M

Recommended Height

1.8M - 2.2M

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





YUEJIANG Y3PRO BROKEN BRIDGE SERIES

Product configuration

- Aluminum Material : 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

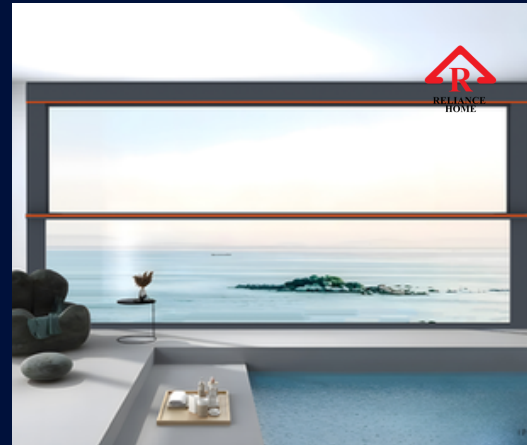


black

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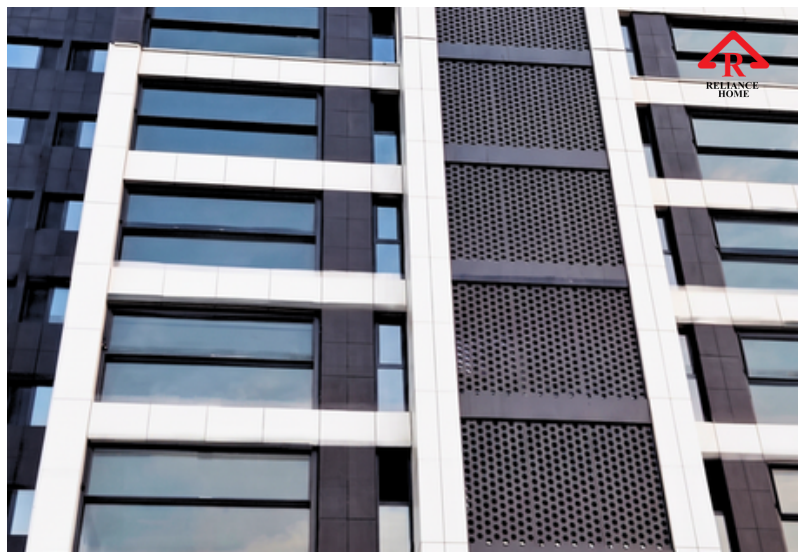




ENGINEERING CASE







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