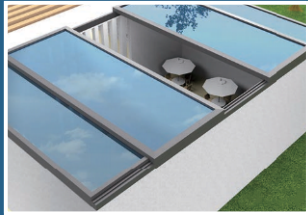




TAMSON

BETTER LIVING



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# TAMSON

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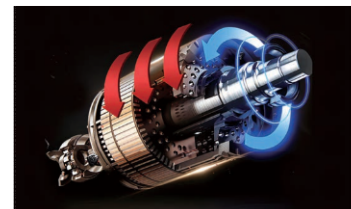
# 8 PRODUCT

Opening up a Better Life for You

 <p>智能化设计 INTELLIGENT DESIGN</p>	 <p>模块化安装 MODULAR INSTALLATION</p>	 <p>保温隔热 THERMAL INSULATION</p>	 <p>结构稳定安全 SAFETY DESIGN</p>
 <p>定制化服务 CUSTOMIZED SERVICE</p>	 <p>隔音防水 SOUND INSULATION WATERPROOF</p>	 <p>安全节能 SAFETY AND ENERGY SAVING</p>	 <p>终生售后 LIFETIME AFTER SALE SERVICE</p>

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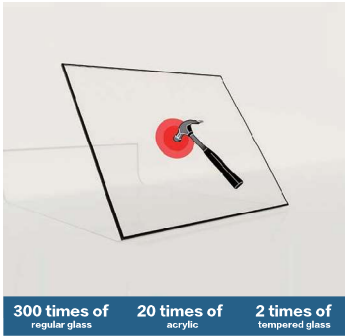
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## 移动阳光房介绍 MOBILE SUNROOM INTRODUCTION

- **Sunroom opens and closes freely**  
The sunroom is equipped with tracks on the ground or wall, which can be opened and closed for expansion.
- **Suitable for various occasions**  
Sunrooms can be used in swimming pools, terraces, courtyards, patio covers, gardens, Villas, outdoor restaurants, commercial and other places.
- **Beautiful appearance**  
PC board can be bent arbitrarily, with diverse shapes and thickened aluminum alloy border, fashionable and beautiful.
- **Intelligent control**  
The sunroom can be equipped with an electric motor system and an intelligent light control system.

## 聚碳酸酯耐力板 (PC board)

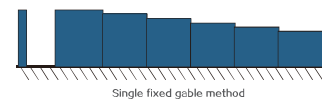
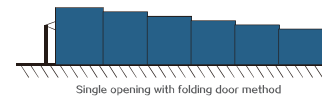
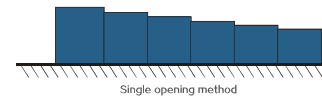
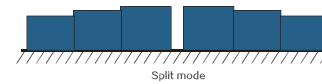


High transparency, with a transmittance of up to 75-89%

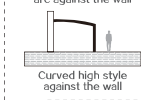
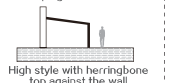
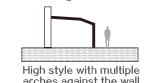
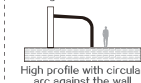
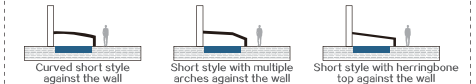
1. Impact resistance - The maximum impact force of the endurance board can reach 3kg/cm, with a specific gravity of 1.34g/cm<sup>3</sup>, which is 250-300 times that of ordinary glass and 8 times stronger than acrylic board, with almost no risk of fracture.
2. Transparency - Excellent lighting, with a transmittance of up to 75-89%, and its transparency comparable to glass.
3. Weathering resistance - PC board can maintain the stability of various physical indicators within the range of -40 °C to 120 °C. The artificial climate aging test lasted for 4000 hours, with a yellowing degree of 2 and a decrease in transmittance of only 0.6%.
4. Flammability - The endurance board itself is not flammable and has self extinguishing properties, as confirmed by the national standard GB50222 95. PC boards are classified as Class 1 flame retardant, i.e. Class B1. The ignition point of the PC board itself is 580 degrees Celsius.
5. Heat resistance, cold resistance - Within the testing range of -30 °C to 130 °C, it will not cause quality changes such as deformation.
6. Sound insulation - The sound insulation capacity of PC board is 3-4DB higher than that of glass, making it the preferred material for highway sound barriers internationally.

## OPENING AND CLOSING METHOD SOME COMMON STRUCTURES

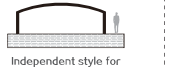
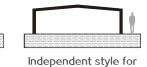
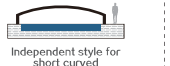
### OPENING AND CLOSING METHOD



### Against the wall



### Independent



## A4 series

移动阳光房  
Mobile Sunroom

[ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy  
Thickness: 3.0mm  
Applicable span: ≤ 4m  
Optional: lighting system, electric system, and sunshade system  
Door and window system: default with one door and one window  
Panel: PC endurance board, laminated tempered glass, hollow glass  
Electric system: 24V safety voltage drive system  
Sealant strip: EPDM rubber strip  
Brush: inner and outer nylon brush



Solar energy



Electric



Manual



Connection for the edge beam and base



Connection for the main beam and base



## A7 series

移动阳光房  
Mobile Sunroom

### [ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy  
Thickness: 3.0mm  
Applicable span: ≤ 7m  
Optional: lighting system, electric system, and sunshade system  
Door and window system: default with one door and one window  
Panel: PC endurance board, laminated tempered glass, hollow glass  
Electric system: 24V safety voltage drive system  
Sealant strip: EPDM rubber strip  
Brush: inner and outer nylon brush



Solar energy



Electric



Manual



Details for the EPDM rubber strip and nylon brush

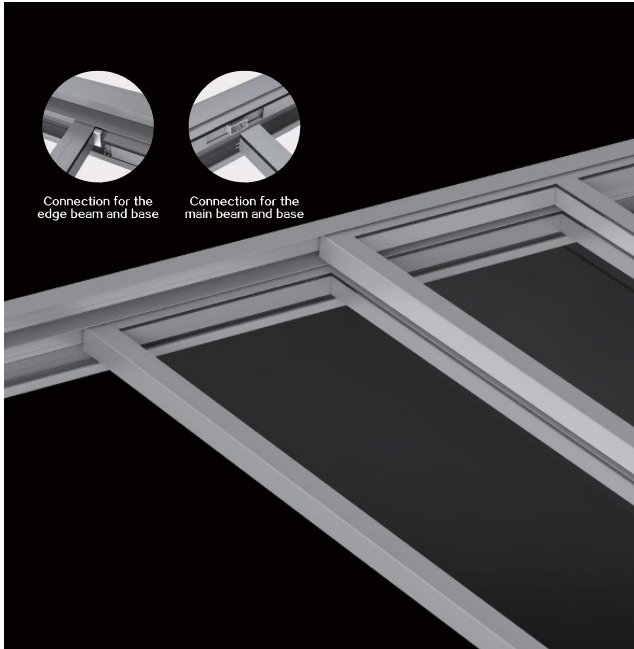


## A10 series

移动阳光房  
Mobile Sunroom

[ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy  
Thickness: 4.0mm  
Applicable span:  $\leq 10\text{m}$   
Optional: lighting system, electric system, and sunshade system  
Door and window system: default with one door and one window  
Panel: PC endurance board, laminated tempered glass, hollow glass  
Electric system: 24V safety voltage drive system  
Sealant strip: EPDM rubber strip  
Brush: inner and outer nylon brush



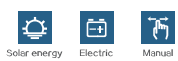


## A15 series

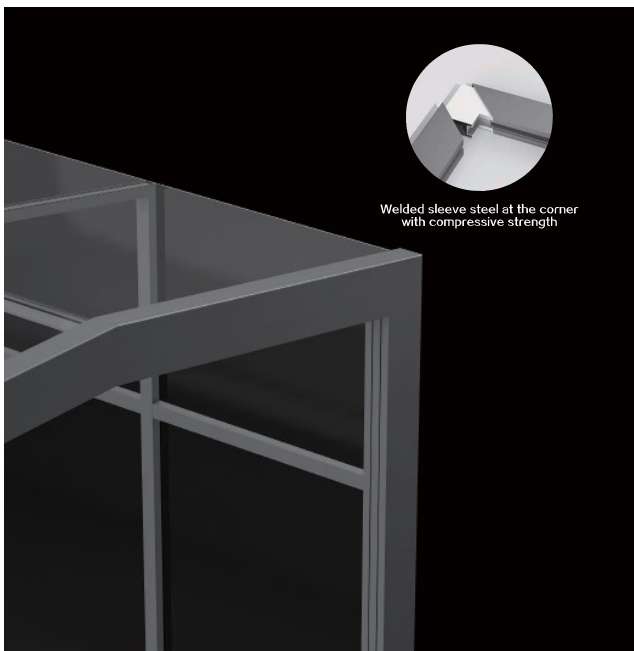
移动阳光房  
Mobile Sunroom

### [ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy  
Thickness: 5.0mm  
Applicable span: ≤ 15m  
Optional: lighting system, electric system, and sunshade system  
Door and window system: default with one door and one window  
Panel: PC endurance board, laminated tempered glass, hollow glass  
Electric system: 24V safety voltage drive system  
Sealant strip: EPDM rubber strip  
Brush: inner and outer nylon brush



Solar energy   Electric   Manual



Welded sleeve steel at the corner  
with compressive strength



## Application Scenario

### 01 Mobile pool cover

According to demand, it can be roughly divided into two categories: high and low, including multi arch, herringbone roof, and flat roof series



### 02 Terrace/Balcony

Want to make use of public areas? Building a mobile sunroom can turn the original corridor into your terrace functional area.

### 03 Courtyard/Garden

How to maximize the effectiveness of this large independent courtyard? Install an intelligent mobile sunroom, giving you more possibilities for outdoor space and life.



## Application Scenario

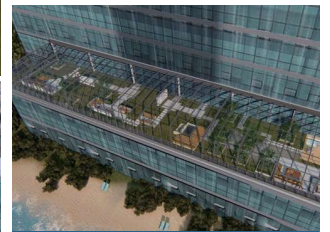
### 05 Outdoor restaurant

Up to 20 meters long span retractable sunroom, using a fully transparent curtain wall design with transparent space and anti fog and ice formation, widely used in hotels, leisure clubs, and other areas



### 04 Leisure and entertainment

Sunrooms not only improve space utilization, but also provide a multi-functional leisure space to enhance family interaction and enhance family happiness.



### 06 Banquet Hall

For large commercial plazas, the outdoor extension of the second space not only has sufficient lighting and can provide shade and waterproofing, but also brings more flexibility and practicality to the use of outdoor space.



**翻转百叶凉亭系列**  
**FLIP LOUVERED PAVILION SERIES**

**THE ADVANTAGES OF LOUVER PAVILION**  
**百叶凉亭的优点**

4000K fully waterproof high-definition LED light

High appearance comes from detailed handling

IP67 level 24V low voltage motor fearless of wind and rain and more silent

Details come from hidden screw design

Simple installation and safer load-bearing

Trust comes from a 304 stainless steel base



**High strength aluminum ingot extrusion molding**  
 Selected high-quality aluminum alloy raw materials with good plasticity, anti-corrosion and rust prevention.



**Perfect drainage system**  
 A complete drainage system that is not only pouring rain but also not afraid of blockage



**Capable of withstanding typhoon level 12 attacks**  
 High strength aluminum alloy frame with built-in galvanized steel pipe, resistant to typhoon attack



High strength 6063-T5 aluminum alloy, resistant to corrosion and oxidation, with a service life of up to 30 years.

### Intelligent windproof sunshade

**Product components**

Labels in the diagram include: Rear cover, T-shaped motor bracket, End cover (left), T-shaped circular shaft bracket, End cover (right), Front cover, 70 rolling cloth tube, Tubular motor, 70 conical crown, Front track (left), Inner track, Rear track, Front track (right), Rear track (right), Lower pole, Lower pole weight bar, Lower pole head, Lower pole anti-collision strip, track cover (right), Inner track (right), and Lower pole head.

**Pluggable design for easy installation and maintenance**

**Motor installation, left and right optional**

**Fabric with anti detachment chain design on both sides, fearless of wind blowing**

**Elastic buffer cotton is built into the track to keep the fabric taut**

**Lower pole sealing anti-collision strip**

## 翻转百叶凉亭

### FLIP LOUVERED PAVILION

#### [ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy drive system: 24V safe voltage drive system

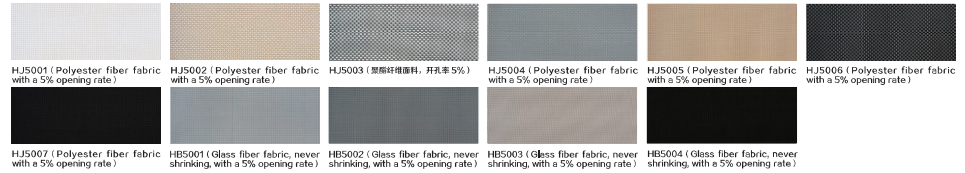


Intelligent zipper technology fixes and stretches each roller shutter onto the side rails for smooth and smooth operation, ensuring excellent smoothness of the fabric and preventing distortion and deformation in the face of strong winds and harsh weather.



#### Cross section of sunshade roller shutter

A barrier that is both windproof and mosquito resistant, with wind resistance at every position. When closed, it is 100% mosquito resistant, and sunshade fabrics with a hole rate of less than 10% have certain rainproof functions.



### Glass fiber viewing sunlight fabric: 5% opening rate (shading, insulation, ventilation, flame retardant, tear resistance, and no deformation)

1. Glass fiber sunlight fabric has characteristics such as shading, insulation, noise reduction, ventilation, UV protection, flame retardancy, etc; it ensures both indoor privacy and clear visibility of outdoor scenery, ensuring smooth indoor air flow, effectively filtering glare, obtaining natural light, and achieving visual comfort
2. The fiberglass fabric has passed the GREENGUARD and GREENGUARDGOLD indoor air quality certification in the United States, meeting the lead requirements for children's products in consumer goods in the United States, and has passed the European OEKO-TEX100 standard Hazardous substance detection meets the requirements of European human ecology and complies with European REACH regulations. It has passed fire tests in Australia, the United States, the United Kingdom, Germany, France, and China, providing customers with the freedom to choose hotels and other commercial buildings that are very suitable for official fire protection requirements. Viewing sunlight fabric can withstand over 99% of ultraviolet radiation, protecting your and your family's bodies from UV damage
3. The fiberglass fabric has passed the Canada ULTRA-FRESH anti mold test and has good moisture-proof, anti mold, and antibacterial effects. The fabric is a natural mineral that does not provide an environment for bacterial growth, preventing bacteria and mold from reproducing, and the fabric will not mold; Especially suitable for kindergartens, schools, hospitals etc.
4. Constant size: The material of the fabric itself determines that it does not have ductility and consistently maintains flatness. Not warped, with a degree of elasticity of less than 0.5%, resistant to tearing; without reinforcement, naturally resistant to tearing, with significant wind resistance and mechanical properties that withstand frequent use.

Technical performance	Executive standards	Technical Parameter
Basic materials		30%fiberglass + 70%PVC
Opening rate	FZ/T01009-2008	约 5%
Gram weight	GB/T4669-2008	600g/m <sup>2</sup>
Thickness	FZ/T01003-1991	0.75mm
UV shading rate		约 95%
Fire protection standards	GB50222-1995	国标 B1 级

## MULTIPLE INSTALLATION METHODS

### 多种安装方式

1. The configuration of columns varies depending on the installation environment, including the setting of drainage outlets;
2. The drainage capacity of the pavilion needs to be calculated based on the area of the louvers, and the number of drainage outlets needs to be set;
3. If the pavilion has a large area, fewer columns, and the drainage outlet does not drain in a timely manner, an external drainage pipe needs to be added to ensure the user experience.



Independent installation -4 columns



Single side wall leaning -2 columns



Double sided wall leaning -1 column



Hanging and pulling installation - no column required



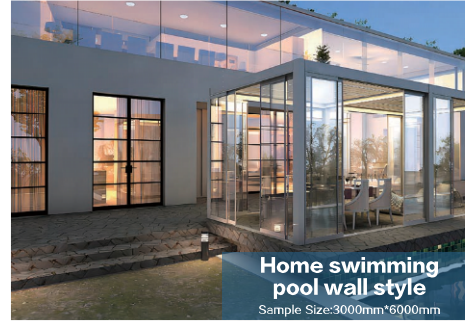
Double sided wall installation - without columns



Four sided wall installation - without columns



Home swimming pool wall style  
Sample Size:3000mm\*6000mm





## 平移天窗系列

TRANSLATION SKYLIGHT SERIES

### 平移天窗

#### Translation Skylight

##### [ Partial parameters and configurations ]

Material: Main structure T5 6063 high-strength aluminum alloy

Profile specification: 120 \* 145/94 \* 146

Processing technology: Glue injection corner code splicing

Control method: electric remote control

Installation angle: 0-5 degrees daylighting roof or concrete roof

Surface treatment: whole window electrostatic powder treatment (color optional)

Functional configuration: electric, remote control, rain sensing, with added lighting

Specification and size: maximum span of 4.8m in areas without snow load (snow pressure), no live load 5kg/m<sup>2</sup>. snow load (snow pressure), with a maximum span of 3.8m in the area

Glass configuration: 5+1.14+5+20A+5 laminated with hollow tempered glass and standard 5+1.14PVB+5

Standard sunroof configuration: built-in motor, manual opening and closing device, touch screen controller, and linkage controller.

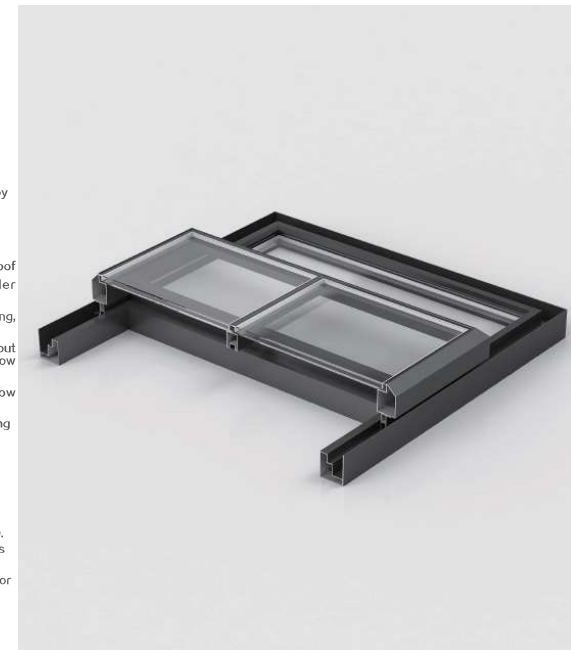
Intelligent options: voice control, mobile remote control, electric sunshade, rain sensor equipped with opening and closing device, manual window opening and closing can be achieved after power outage.

\* Use automotive grade adhesive strips (15 years non aging).

\* Equipped with a rain sensor to automatically close windows during rain,

\* Adopting ultra quiet large torque short motor to solve motor vibration and noise problems.

Solve the thermal protection problem of the motor running for 4 minutes, and the motor can operate continuously for an extended period of time







### Ventilation and breathability guarding family members

A sliding sunroof that understands your needs

采用三元乙丙复合胶条，使天窗达到零漏水效果。

Epdm composite rubber strips are used to ensure zero leakage of the skylight.

TAMSON

Realistic case for reference



● SunkenCourtyard Project



● Cruise Project

Realistic case for reference



● SPA Swimming Pool Project



● SunkenCourtyard Project

## Realistic case for reference



• Project in Beijing



• Project in Beijing



## Realistic case for reference



• Terrace project



• Terrace project



## Realistic case for reference



• Project in Jiangsu



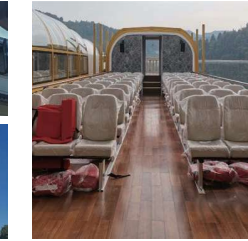
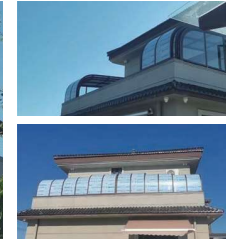
• Project in Shenzhen



## Realistic case for reference



• Terrace project



• Yacht project



• Terrace project



• Terrace project

