



# Starry Sky Room Product Specification

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**Made by PolyCanopy**



## 4565 Planet Capsule



### Product advantages

The transparent section is made of German-imported polycarbonate material.

coated on both sides with a 100-micron UV-resistant layer, offering high light transmittance of up to 89%.

The panel has a fire resistance rating of B1 (flame-retardant level), is non-toxic, odorless, and features high safety.

## 4565 Planet Capsule



### Product advantages

Excellent Structural Stability and High Strength

The streamlined dome design ensures stability and prevents wind resistance.

The transparent material is approximately 300 times stronger than ordinary glass, offering robust resistance against violent impacts.

# 4565 Planet Capsule



## 4565 Planet Capsule



## 4.5+2.5 meter Combined Starry Sky Room



The main body of the Starry Sky Room, made of PC, offers significant sound insulation. It provides better acoustic insulation than glass or acrylic of the same thickness. Under identical thickness conditions, the sound insulation of PC is 3-4 dB higher than that of glass. Internationally, it is a material used for highway sound barriers. Many of our customers use our Starry Sky Rooms for homestays and KTV purposes.

## 4.5+2.5meter Combined Starry Sky Room



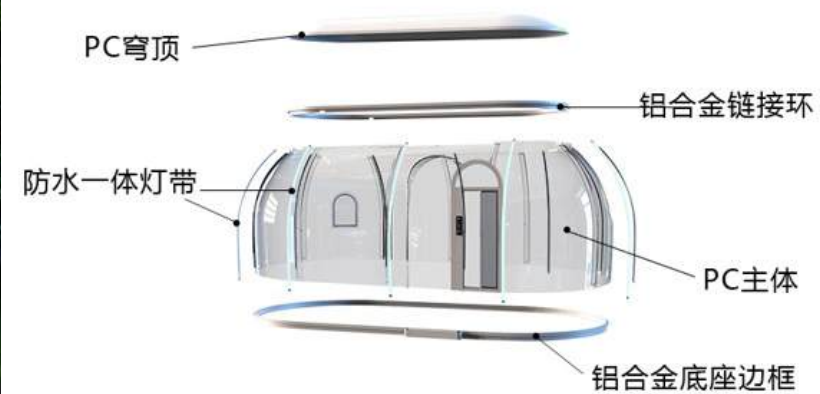
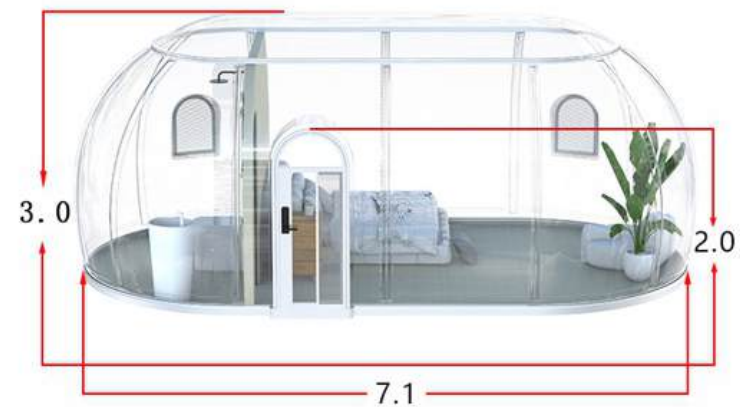
The polycarbonate section of our Starry Sky Room is made of German-imported material. It features a double-sided 100-micron anti-UV coating, designed to prevent material degradation caused by prolonged sun exposure, ensuring a service life of up to 10-15 years.



# 4071 Planet Capsule



4071长条款星空房



## 4071 Planet Capsule



Our Starry Sky Room features a spherical streamlined design that effectively deflects wind force and provides strong resistance against typhoons and strong winds. When the base is properly secured, it can withstand typhoons up to Category 12 along the coast. The top can bear a load of up to 400 kg, eliminating concerns about heavy snow in regions like Northeast China.



# Atmosphere lighting



200 Intelligent Ambient Lighting Modes

Lighting Mode Switching



Touch the Color Ring to Define Any Color

Commonly Used Lighting Colors

Ambient Light

Effect Speed Adjustment

Ambient Light Brightness



# Product advantages

## Precision Bent Aluminum Profile Craftsmanship

The doors and windows feature a rounded arch design with an integrated bending process, resulting in seamless joints and no exposed bolts on the surface.

The top aluminum alloy connecting ring is used to connect the side polycarbonate panels with the top dome cover, providing higher strength and better sealing.

Both doors and windows are integrated with 304 stainless steel mesh, offering effective mosquito protection while allowing ventilation.

The Starry Sky Room features a spherical streamlined design that effectively deflects wind force, providing strong resistance against typhoons and strong winds. When the base is properly secured, it can withstand typhoons up to Category 12 along the coast.



## Product advantages

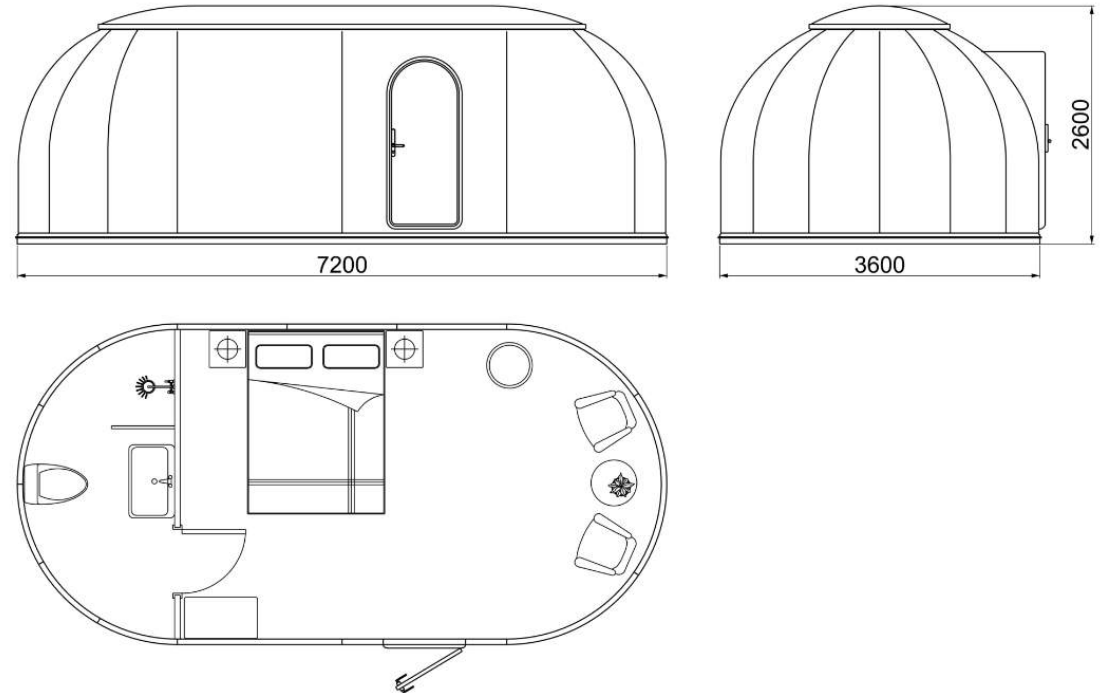
- Powerful ventilation to improve indoor air circulation
- DC motor imported from Taiwan, 2500 rpm
- Built-in mosquito-proof mesh
- Equipped with an airflow adjustment knob; customized fan air volume can reach up to 40 cubic meters per minute, etc.



# 3672 Planet Capsule



Interior Layout Diagram



**3672** Planet Capsule



**3672** Planet Capsule



## Other Types of Planet Capsules



# 4565 Planet Capsules



## Product Specifications:

•**Overall Dimensions:** Length 6.5m × Width 4.5m × Height 3.2m

•**Area:** 25 m<sup>2</sup>

•**Weight:** 400 kg

•**Color:** Transparent + Milky White PC + Premium Gray

•**Material:** Imported Polycarbonate (PC) + Aviation-Grade Aluminum Alloy

•**Wooden Case Dimensions (per set):** 4100 × 2250 × 1500 mm (H)

## Product Configuration Description

|                               |  |  |
|-------------------------------|--|--|
| <b>Main Body</b>              | Transparent PC Body  | Transparent PC Body: The transparent section is made of Bayer Germany imported polycarbonate, providing UV protection.<br>Opaque White Body: The opaque white section is made of a PC+PU alloy, offering protection against both UV and infrared rays. |
|                               | Frame Structure  | •Material: Industrial aluminum alloy 6063-T5, with anodized surface finish. Color: Premium Gray  |
| <b>Standard Configuration</b> | PC   | Transparent Section: Bayer Germany imported polycarbonate with double-sided 100μ UV coating. Color: Transparent  |
|                               | Aluminum Alloy Base  | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish. Color: Premium Gray   |
|                               | Door   | Arched aluminum alloy door with 304 stainless steel screen door. Color: Premium Gray   |
|                               | Window   | Arched aluminum alloy window with 304 stainless steel mosquito screen. Color: Premium Gray   |
|                               | Curtain  | Thickened blackout fabric curtain. Color: Optional   |
|                               | Curtain Track  | Material: Aluminum alloy. Quantity: 1 set  |
|                               | Ceiling  | Electric honeycomb blind + 9mm honeycomb large panel ceiling, complete with downlights.  |
|                               | Aluminum Alloy Wall-Door Partition   | Full aluminum alloy frame and door frame, with 8mm double-sided carbon crystal panels.   |
|                               | 320 Exhaust Fan  | Quantity: 1 set  |
|                               | Ambient Lighting   | Colorful RGB ambient light, controlled via mobile APP.   |
|                               | Weatherproof Sealing Strips  | Material: Imported silicone. Used at PC panel seams to prevent dust, debris, and water ingress.  |
| Accessories                   | Aluminum alloy connectors, stainless steel bolts, power supply drives, controllers, amplifiers, installation tools, etc. |  |

# 4071 Planet Capsules



## Product Configuration Description

### Product Specifications:

- **Overall Dimensions:** Length 7.1m × Width 4m × Height 2.7m
- **Area:** 25 m<sup>2</sup>
- **Weight:** 400 kg
- **Color:** Transparent + Milky White PC + Premium Gray
- **Material:** Imported Polycarbonate (PC) + Aviation-Grade Aluminum Alloy
- **Wooden Case Dimensions (per set):** 3300 × 2250 × 1500 mm (H)

| Product Configuration Description |                                    |  |
|-----------------------------------|------------------------------------|--|
| <b>Main Body</b>                  | Transparent PC Body                | Transparent PC Body: The transparent section is made of Bayer Germany imported polycarbonate, providing UV protection.<br>Opaque White Body: The opaque white section is made of a PC+PU alloy, offering protection against both UV and infrared rays. |
|                                   | Frame Structure                    | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish. Color: Premium Gray   |
| <b>Standard Configuration</b>     | PC                                 | Transparent Section: Bayer Germany imported polycarbonate with double-sided 100μ UV coating. Color: Transparent  |
|                                   | Aluminum Alloy Base                | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish. Color: Premium Gray   |
|                                   | Door                               | Arched aluminum alloy door with 304 stainless steel screen door. Color: Premium Gray   |
|                                   | Window                             | Arched aluminum alloy window with 304 stainless steel mosquito screen. Color: Premium Gray   |
|                                   | Curtain                            | Thickened blackout fabric curtain. Color: Optional   |
|                                   | Curtain Track                      | Material: Aluminum alloy. Quantity: 1 set  |
|                                   | Ceiling                            | Electric honeycomb blind + 9mm honeycomb large panel ceiling, complete with downlights.  |
|                                   | Aluminum Alloy Wall-Door Partition | Full aluminum alloy frame and door frame, with 8mm double-sided carbon crystal panels.   |
|                                   | 320 Exhaust Fan                    | Quantity: 1 set  |
|                                   | Ambient Lighting                   | Colorful RGB ambient light, controlled via mobile APP.   |
|                                   | Weatherproof Sealing Strips        | Material: Imported silicone. Used at PC panel seams to prevent dust, debris, and water ingress.  |
|                                   | Accessories                        | Aluminum alloy connectors, stainless steel bolts, power supply drives, controllers, amplifiers, installation tools, etc.   |

## 4.5+2.5米星空房组合款

### Product Specifications:

•**Overall Dimensions:** Diameter 4.5m × Height 3.5m / Diameter 2.5m × Height 2.6m

•**Area:** 21 m<sup>2</sup>



polycanopy

•**Occupancy:** 2 Persons

•**Material:** Imported Polycarbonate (PC) + Aluminum Alloy

•**Weight:** 560 kg

•**Color:** 4.5m Main Body: Transparent PC / 2.5m Main Body: Milky White PC + Premium Gray

•**Material:** Imported Polycarbonate (PC) + Aviation-Grade Aluminum Alloy

•**Wooden Case Dimensions (per set):** 3450 × 2200 × 1500 mm (H)

## Product Configuration Description

|                        |                                |  |
|------------------------|--------------------------------|--|
| Main Body              | 4.5m Transparent PC Main Body  | The 4.5m transparent PC main body is made of Bayer Germany imported polycarbonate, providing UV protection.              |
|                        | 2.5m Opaque White PC Main Body | The 2.5m opaque white PC main body offers protection against both UV and infrared rays.                                  |
|                        | Frame Structure                | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish.<br>Color: Premium Gray                        |
| Standard Configuration | PC                             | •Transparent Section: Bayer Germany imported polycarbonate with double-sided 100μ UV coating<br>Color: Transparent       |
|                        | Aluminum Alloy Base            | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish.<br>Color: Premium Gray                        |
|                        | Door                           | Arched aluminum alloy door with 304 stainless steel screen door; Color: Premium Gray                                     |
|                        | Window                         | Arched aluminum alloy window with 304 stainless steel mosquito screen.<br>Color: Premium Gray                            |
|                        | Curtain                        | 4.5m thickened blackout fabric curtain. Color: Optional  |
|                        | Curtain Track                  | Material: Aluminum alloy. Quantity: 1 set  |
|                        | Bathroom Connecting Door       | Quantity: 1 set  |
|                        | 320 Exhaust Fan                | Quantity: 1 set  |
|                        | 2.5m Bathroom Exhaust Fan      | Quantity: 1 set  |
|                        | Ambient Lighting               | Colorful RGB ambient light, controlled via mobile APP.   |
|                        | Weatherproof Sealing Strips    | Material: Imported silicone. Used at PC panel seams to prevent dust, debris, and water ingress.                          |
|                        | Accessories                    | Aluminum alloy connectors, stainless steel bolts, power supply drives, controllers, amplifiers, installation tools, etc. |

# 3672星球舱

## Product Specifications:

- **Overall Dimensions:** Length 7.2m × Width 3.6m × Height 2.6m
- **Area:** 25 m<sup>2</sup>
- **Weight:** 1200 kg
- **Color:** Transparent + Milky White PC + Premium Gray
- **Material:** Imported Polycarbonate (PC) + Aviation-Grade Aluminum Alloy
- **Wooden Case Dimensions:** 5420 × 2200 × 1300 mm (H)



## Product Configuration Description

|                        |   |  |
|------------------------|---|--|
| Main Body              | Transparent + Opaque White Double-Layer Hollow PC Structure | Transparent PC Section: Made of Bayer Germany imported polycarbonate, providing UV protection.<br>Opaque White PC Section: Made of PC+PU alloy, offering protection against both UV and infrared rays. |
|                        | Frame Structure   | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish.Color: Premium Gray  |
| Standard Configuration | PC  | Transparent Section: Bayer Germany imported polycarbonate with double-sided 100μ UV coating.Color: Transparent   |
|                        | Aluminum Alloy Base   | Material: Industrial aluminum alloy 6063-T5, with anodized surface finish.Color: Premium Gray  |
|                        | Door  | Arched aluminum alloy door with 304 stainless steel screen door.Color: Premium Gray  |
|                        | Window  | Arched aluminum alloy window with 304 stainless steel mosquito screen. Color: Premium Gray   |
|                        | Curtain   | Thickened blackout fabric curtain. Color: Optional   |
|                        | Curtain Track   | Material: Aluminum alloy. Quantity: 1 set  |
|                        | Ceiling   | Electric honeycomb blind + 9mm honeycomb large panel ceiling, complete with downlights.  |
|                        | Aluminum Alloy Wall-Door Partition                          | Full aluminum alloy frame and door frame, with 8mm double-sided carbon crystal panels.   |
|                        | 320 Exhaust Fan   | Quantity: 1 set  |
|                        | Ambient Lighting  | Colorful RGB ambient light, controlled via mobile APP.   |
|                        | Weatherproof Sealing Strips                                 | Material: Imported silicone. Used at PC panel seams to prevent dust, debris, and water ingress.  |
|                        | Accessories   | Aluminum alloy connectors, stainless steel bolts, power supply drives, controllers, amplifiers, installation tools, etc.   |



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TESTING  
CNAS L0116

# 检测报告

## TEST REPORT



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# 检测报告

## TEST REPORT



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商品码

报告编号  
REPORT NO. 2213104801

样品名称  
NAME OF SAMPLE 聚碳酸酯板材

委托单位  
CUSTOMER 泉福智慧新材料(江苏)有限公司

受检单位  
INSPECTED ENTITY /

检测类别  
TEST CATEGORY 委托检测

| 序号<br>Serial No. | 检测项目<br>Test Items        | 技术要求<br>Requirement                           | 检测结果<br>Test Results | 单项结论<br>Item Conclusion | 备注<br>Remarks |
|------------------|---------------------------|---|----------------------|-------------------------|---------------|
| 1                | 外观                        | 中空板表面应光滑、平整, 不允许有气泡、裂纹和明显的痕纹、凹陷、色差和其他影响性能的缺陷。 | 符合                   | 符合                      | /             |
| 2                | 拉伸屈服应力<br>MPa             | $\geq 60$                                     | 63.5                 | 符合                      | /             |
| 3                | 弯曲强度<br>MPa               | $\geq 60$                                     | 96.0                 | 符合                      | /             |
| 4                | 透光率<br>%                  | /   | 31.3                 | /                       | /             |
| 5                | 紫外线透射比<br>%               | $\leq 0.001$                                  | <0.001               | 符合                      | /             |
| 6                | 紫外线涂层厚度<br>$\mu m$        | /   | 90                   | /                       | /             |
| 7                | 传热系数<br>$W/(m^2 \cdot K)$ | /   | 1.78                 | /                       | /             |

以下空白 TEST REPORT END

### 浙江方圆检测集团股份有限公司

ZHEJIANG FANGYUAN TEST GROUP CO., LTD.

### 国家化学建材质量检验检测中心

NATIONAL CENTER OF QUALITY INSPECTION FOR CHEMICAL BUILDING MATERIALS





# THANK YOU

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**Made By PolyCanopy**

