

JoyNest

欢栖 · Solar House



off-grid living system



easy installation



whole project design



long term
sustainable



24/7 power supply



electricity/water/
heating



cost saving



school/dormitory/villa/
hotel hospital/office...

About us

**Your Global Strategic Partner for
Integrated Zero-Carbon Housing Solutions**



Since 1997, we have integrated renewable energy with modular construction. Leveraging decades of solar R&D experience, we manufacture premium modular houses worldwide with intelligent, practical designs.

We offer one-stop solutions from design to export. Our full range of customizable container houses can be tailored to meet diverse local market requirements.

Featuring built-in solar and water purification systems, our zero-carbon units meet regional standards. Committed to integrity and innovation, we provide sustainable housing solutions for global green development.

Our Core Competencies

Green Solar Energy System

Integrated with solar power generation and energy storage systems to achieve self-sufficiency.



Water Purification System

Equipped with a whole-house water purification system, meets needs and enhances living experience.



Customization Service

The layout and style can be freely customized to meet your needs, allowing for personalized design.



Eco-friendly & Economical

Easy to assemble and disassemble with low waste, aligns with sustainable development.



Smart Manufacturing, Rooted in Excellence



Certified Quality, Global Reach



Expandable House

- 10ft,20ft,30ft,40ft Double-Wing Expandable House
- Slanted-Roof (XD) / Flat-Roof(PD)



Capsule House

- S3/S5/S7
- SD-3/SD-6
- K1/K3/K5



Apple House

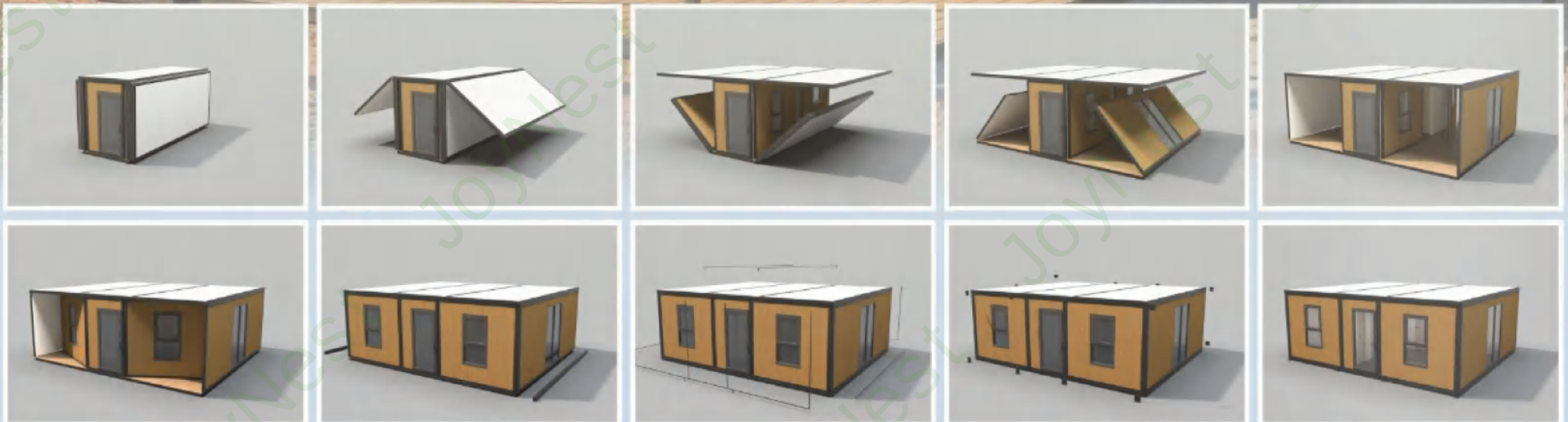
- AC01/AC02/AC03/AC04



Foldable Prefabricated House

- Standard Prefabricated House,
- Z-Foldable Prefabricated House

Expandable House



Expandable House

- 10ft,20ft,30ft,40ft Double-Wing Expandable House
Slanted-Roof (XD) / Flat-Roof(PD)

Optional Accessories



Photovoltaic Power Generation



Wind Power Generation



Circulating Energy Storage System



Whole-house Water Purification System

10ft Model

- Slanted-Roof
- Flat-Roof
- Unfolded:
L2950 × W6220 × H2480 mm
- Internal:
L2690 × W6060 × H2240 mm
- Folded:
L2950 × W2200 × H2480 mm
- Unfolded Area: 18.35 m²
- Internal Area: 16.3 m²



20ft Model

- Slanted-Roof
- Flat-Roof
- Unfolded:
L5900 × W6220 × H2480 mm
- Internal:
L5640 × W6060 × H2240 mm
- Folded:
L5900 × W2250 × H2480 mm
- Unfolded Area: 36.7 m²
- Internal Area: 34.18 m²



30ft Model

- Slanted-Roof
- Flat-Roof
- Unfolded:
L9000 × W6220 × H2480 mm
- Internal:
L8740 × W6060 × H2240 mm
- Folded:
L9000 × W2200 × H2480 mm
- Unfolded Area: 55.98 m²
- Internal Area: 52.96m²



40ft Model

- Slanted-Roof
- Flat-Roof
- Unfolded:
L11800 × W6220 × H2480 mm
- Internal:
L11540 × W6060 × H2240 mm
- Folded:
L11800 × W2200 × H2480 mm
- Unfolded Area: 73.4 m²
- Internal Area: 69.93m²



Capsule House



- S3/S5/S7
- Telescopic Capsule House SD-3\SD-6
- K1/K3/K5

CONFIGURATION SYSTEM



STANDARD SYSTEM

Standard seismic structural system
Energysaving and heat preservation structure system
Standard aluminum alloy housing (Color can be customized)
Standard interior (Decoration materials can be customized)
Standard fixed furniture (Customizable materials)
Panoramic floor-to-ceiling airtight tempered glass window
Whole house lighting Water electricity system
Intelligent access control & Access ladder

SOLAR CAPSULE HOUSE

STANDARD MATERIAL FOR SPACE CAPSULE



PATENTED STRUCTURE INSIDE THE CAPSULE



Capsule House S3

- Overall Dimensions:
L5600*W2800*H3100mm
- Space: 15.7 m²



Capsule House S5

- Overall Dimensions:
L8500*W3300*H3200mm
- Space: 28 m²



Capsule House S7

- Overall Dimensions:
L11500*W3300*H3200mm
- Space: 38 m²



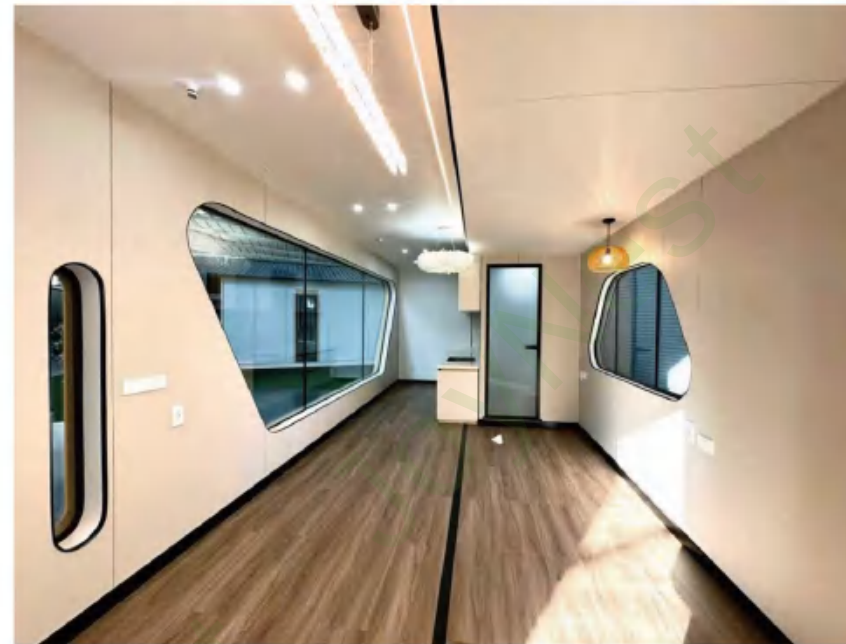
Telescopic Capsule House SD-3

- Overall Dimensions:
L5900*W3300*H2480mm
- Space: 20 m²



Telescopic Capsule House SD-6

- Overall Dimensions:
L9000*W3300*H2480mm
- Space: 20 m²



Telescopic Capsule House K1-Standard

- Overall Dimensions:
L5800*W3000*H3200mm
- Space: 18 m²



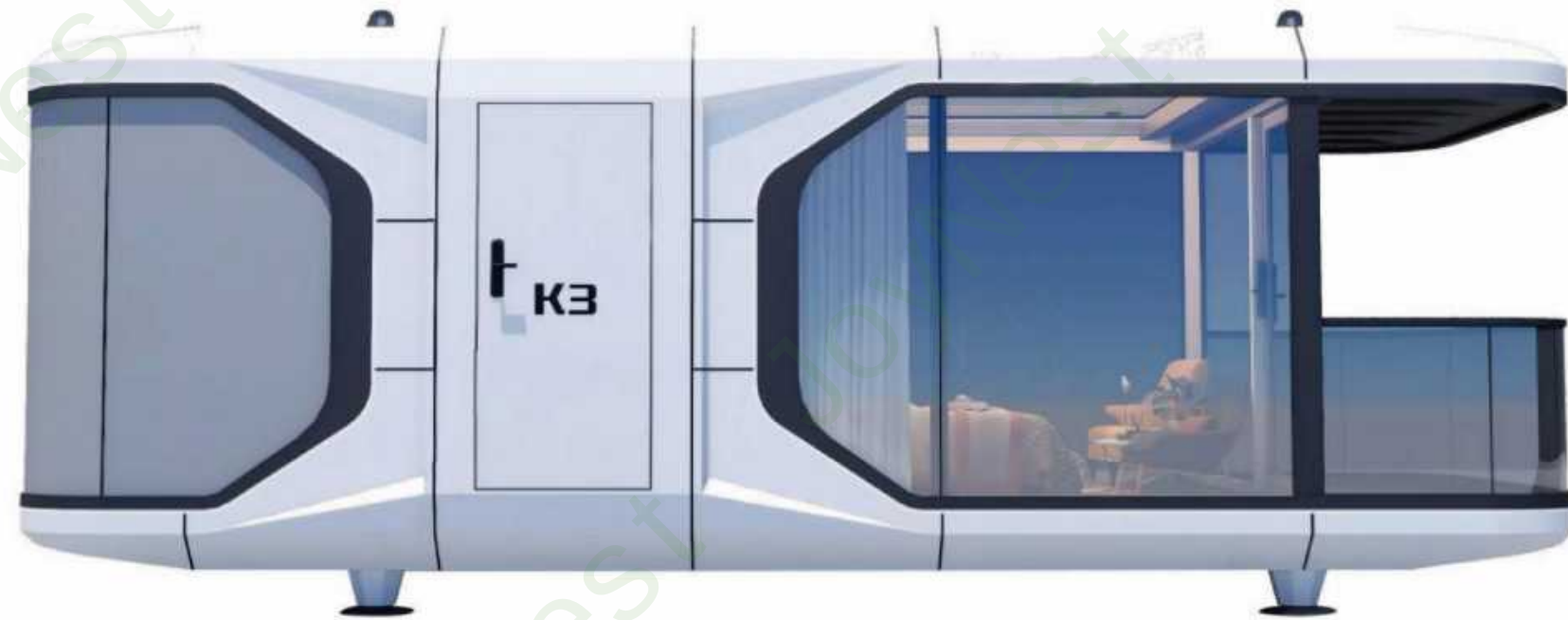
Telescopic Capsule House K1-Fully

- Overall Dimensions:
L5800*W3000*H3200mm
- Space: 18 m²



Telescopic Capsule House K3-Standard

- Overall Dimensions:
L8500*W3300*H3200mm
- Space: 28 m²



Telescopic Capsule House K3-Fully

- Overall Dimensions:
L8500*W3300*H3200mm
- Space: 28 m²



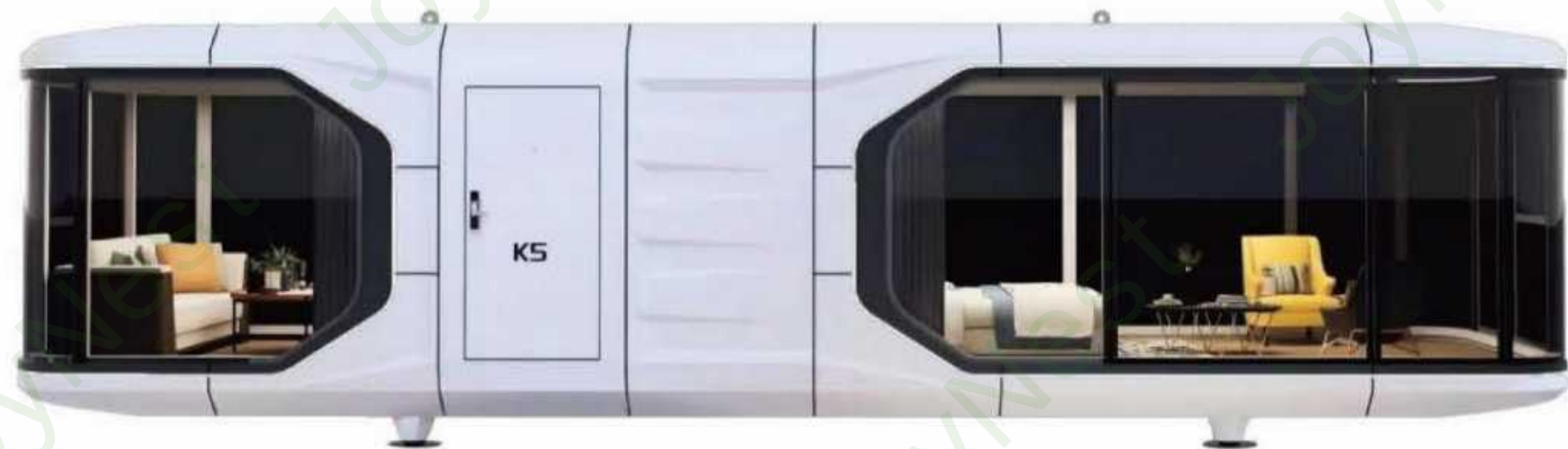
Telescopic Capsule House K5-Standard

- Overall Dimensions:
L11500*W3300*H3200mm
- Space: 38 m²



Telescopic Capsule House K5-Fully

- Overall Dimensions:
L11500*W3300*H3200mm
- Space: 38 m²



Apple House



• AC01/AC02/AC03/AC04

- Premium Apple House for campsite hospitality
- Sleek design with soundproof double-glazed full-view windows
- Highly expandable: customizable terraces, upper-floor staircases available
- Versatile for homestays, private dwellings, commercial spaces, offices & leisure areas
- One-stop integrated solution for all your space needs

Apple House AC01

- Overall Dimensions:
L5800*W2100*H2400mm
- Space: 12.5 m²



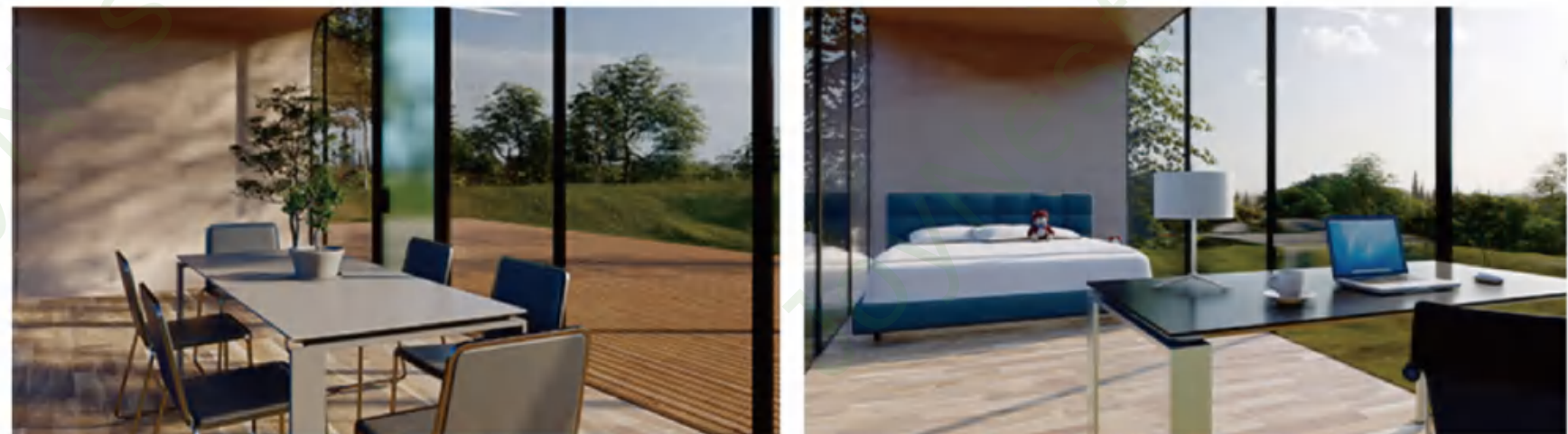
Apple House AC02

- Overall Dimensions:
L11500*W2100*H2400mm*2
- Space: 25 m²



Apple House AC03

- Overall Dimensions:
L5800*W2100*H2400mm*2
- Space: 25 m²



Apple House AC04

- Overall Dimensions:

First Floor:

L11500*W2100*H2400mm

Second Floor:

L5800*W2100*H2400mm

- Space: 37.2m²

(PV-Equipped Roof & Terrace)



Foldable Prefabricated House



- **Standard Prefabricated House**
- **Z-Foldable Prefabricated House**

- Rapid-deployment building solution for multi-scenario use
- Fast setup of comfortable housing for camps, exploration & disaster relief
- Converts to premium foldable homestays and supporting facilities
- Space-adaptive, cost-effective modular construction solution

Standard Prefabricated House

- Overall Dimensions:
L5850*W2438*H2896mm



Z-Foldable Prefabricated House

- Overall Dimensions:
L5900*W2438*H2620mm





Transportation and Installation



PROJECT SHOWCASE





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UK Dealer: Garden Studios & Annexes



Papua New Guinea: Social Housing



PROJECT SHOWCASE



Jamaica



Hawaii, USA



Chile



Australia



Bulgaria



Spain



Greece



French Polynesia



Grenada

PROJECT SHOWCASE



PROJECT SHOWCASE

Project address: Zuoqi, Inner Mongolia

Core area: 2000 square meters

Project scale: 50 units (C3, Z5)



PROJECT SHOWCASE

Project address: Guangzhou, Guangdong

Core area: 3000m²

Project scale: 20 units (C3)



PROJECT SHOWCASE

Project address: Yangjiang City, Guangdong

Core area: 3000m²

Project scale: 35 units (X7/P5/R5/P7)



PROJECT SHOWCASE

Project address: Wenzhou Taishun

Core area: 3000m²

Project scale: 35 units (X7/P5/R5/P7)





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