ECOHOME



ECOHOME PRODUCT BROCHURE

ECOHOME

The EcoHome is a living space that achieves net-zero carbon emissions through innovative technologies and design. Its core concept is to reduce carbon emissions using mobile modular green construction techniques and to offset remaining emissions through renewable energy and efficient resource management. The EcoHome aims to address climate change, promote sustainable development, and provide a comfortable, healthy, and smart living environment.



5 Core Technologies of EcoHome

PHOTOVOLTAIC POWER GENERATION

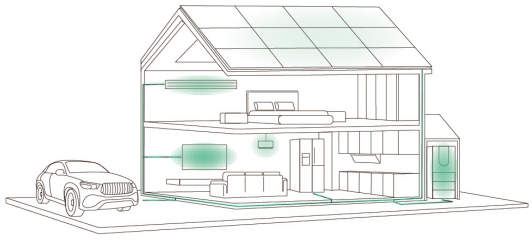
Converts sunlight into renewable electricity, enabling eco-friendly energy self-sufficiency and reduced electricity costs. With an average output of 200–220W/m², our systems feature waterproof and lightning-resistant designs, ensuring durability and a 25-year lifespan for long-term sustainability.

FLEXIBLE ENERGY STORAGE

A household energy storage solution featuring modular power expansion and stackable design for effortless installation. Includes real-time energy monitoring via app, automatic fire suppression, and IP20 insulation—delivering high efficiency, safety, and reliable performance for sustainable energy use.

MOBILE ASSEMBLY

No permits needed—breaks terrain limits! These eco-friendly, prefab units feature quick assembly, instant move-in, and durable construction—resisting magnitude-8 earthquakes and category-12 typhoons with a 50-year lifespan.



WHOLE-HOME SMART SYSTEM

Smart Access, Security, Control, Lighting, Shading, HVAC Fresh Air, Environmental Monitoring, Temperature and Humidity Sensing Linkage, etc.

SEWAGE TREATMENT

Uses graywater/blackwater separation and purification technology to treat wastewater for direct discharge, eliminating sewage pipelines. Its modular, integrated design offers a compact and sustainable solution for decentralized wastewater management.

ECOHOME

K1

Mobile Multifunctional Space
Wellness Homes for a Sustainable Lifestyle



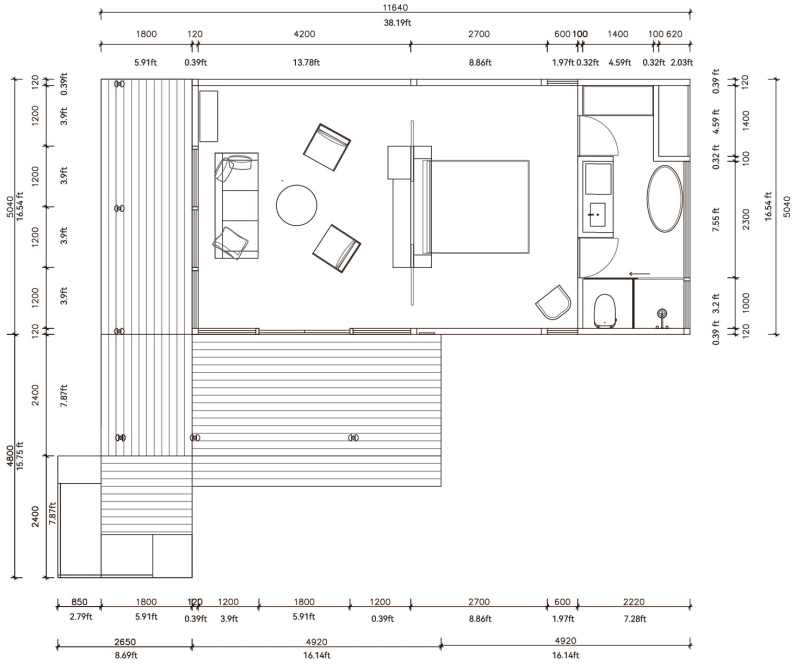
More than just a house—it's a lifestyle



ECOHOME K1

- Layout: 1 bed, 1 bath, 1 living, 1 deck
  Dimensions:
  L 9.8m×W 5.0m×H 3.7m
  L 32.2ft×W 16.4ft×H 12.2ft
  Floor Area: 50.0 m²/538.2 sqft
  Footprint: 78.0 m²/ 839.6 sqft
  Comfortable for 3-4 people

- Weight: 15 t
  Load Power: 12.5 kW
  Assembly Method:
  panel assembly



product code: K1-SPC-A50L1-P7-E15



Modular
EcoHome K1

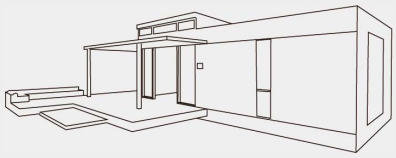
Suitable for
Various Applications

Hotel / Office / Coffee Shop / Tea Room

Vacation Home / Vacation Rentals

Guesthouse / Bed and Breakfast

Lounge / Hotel Housing







K1 Configuration

Category	Item	Standard Content	Include
Main Structure			
	Frame	Structural Insulated Panel	●
	Insulation	Phenolic Insulation	●
	Glass	Low-e Double Glazed Tempered Glass(0.02+0.0.4+0.02)	●
	Door & Window	Thermal Break Aluminium Systems with Window Screens	●
		Entry Door+Smart Lock	●
	Wall Panel	Composite Wall Panel /Plastered Board	●
Interior System			
	Ceiling	One-Piece Decorative Board	●
	Flooring	Strengthened Composite Wood Flooring / Bamboo Floor	●
	Lighting	Spotlights, Tube Lamp	●
	Power Interface	Switch Socket Panel, Distribution Box	●
	Smart System (Optional)	Smart Curtain Tracks, Smart Lighting, Voice Control	●
New Energy System (Optional)			
	Rooftop Solar Panels	Installed Capacity: 5.03 kW	●
	Home Energy Storage	Home Energy Storage: 20.48 kWh	●
Bathroom System			
	Flooring	Slip-Resistant Tiles	●
	Door & Window	Aluminum Alloy Glass Door	●
	Fixtures & Hardware	Bathroom Heater Fan	●
		Flush Toilet	●
		Sink	●
		Showerhead	●
		Countertop Sink	●
		Faucet	●
		Tissue Holder	●
		Towel Bar	●
		Shower Shelf	●
		LED Vanity Mirror	●
Outdoor Module			
		Eaves	●
		Deck	○
		Outdoor Sofa	○
Soft Decoration&Appliance(optional)			
	Decor	Curtains	○
		Closet	○
	Appliance	Air Conditioning	○
		Electric Water Heater	○
		Graphene Electric Floor Heating	○
Factory Configuration(standard)		Certificate Of Compliance / Instruction Manual	●
Remarks		Customizations Available Upon Request (Flexible Solutions to Meet Your Needs)	○