



ALUMINUM MOBILE CAPSULE

铝行舱

Aluminum Movable Folding Capsule



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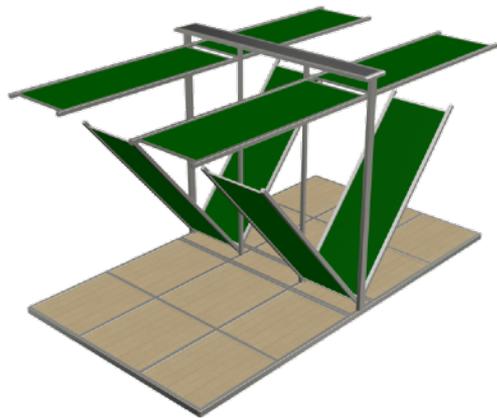
## About US

Changzhou Aluminum Mobile Capsule is located in Qiaoyu Group Industrial park, Zhonglou District, Changzhou; only 1 hour train to Shanghai. We are the world's only aluminum folding house founder. The company has a number of aluminum alloy folding house invention patents.

The product integrates the simple, easy to fold, the movable design idea, devotes to the research&development and production of new elegant residence, the emergency room, the landscape room, the nobody supermarket and so on. Widely used in emergency relief, army camp, construction site, public commerce, tourism vacation, mine camp, municipal temporary housing, large-scale events and all kinds of commercial activities such as temporary housing neighborhood.

AMC continuously inherits the craftsman's spirit, intelligent construction with heart, and discover the beauty of aluminum journey.

## Spread Out Procedures



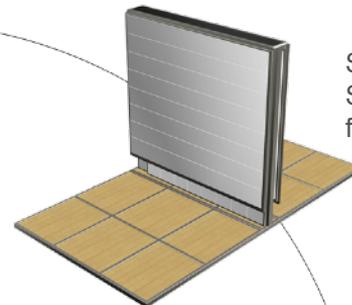
Integrated 8 folding beds and can be removed as stretchers for separately use.

First: Open the package

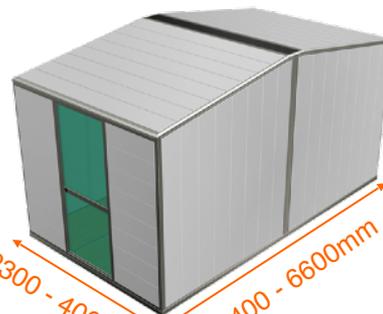


550mm - 2200mm

Second: Spread out the floor



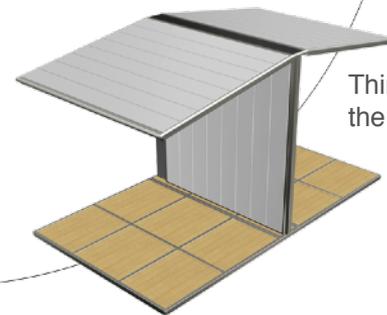
Fifth: Spread out the side plate



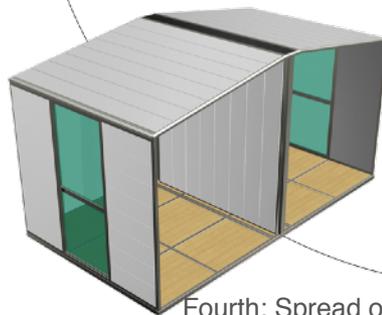
2300 - 4000mm

4400 - 6600mm

Third: Spread out the roof



Fourth: Spread out the window&door





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## Interior Facility



**Bathroom**



Shipping Size :  
(1800\*2300\*2600MM)

Spread-out Size :  
(5800\*2300\*2600MM)

Integrated 1 set of  
Bathroom, Bed, Water & Electricity, etc.



**Underfloor Heating**





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## Interior Facility



Shipping Size :

(2200\*3800\*2600MM)

Spread-out Size :

(6800\*3800\*2600MM)

Integrated 2 sets of  
Bathroom, Bed, Water & Elec-  
tricity, and closets etc.





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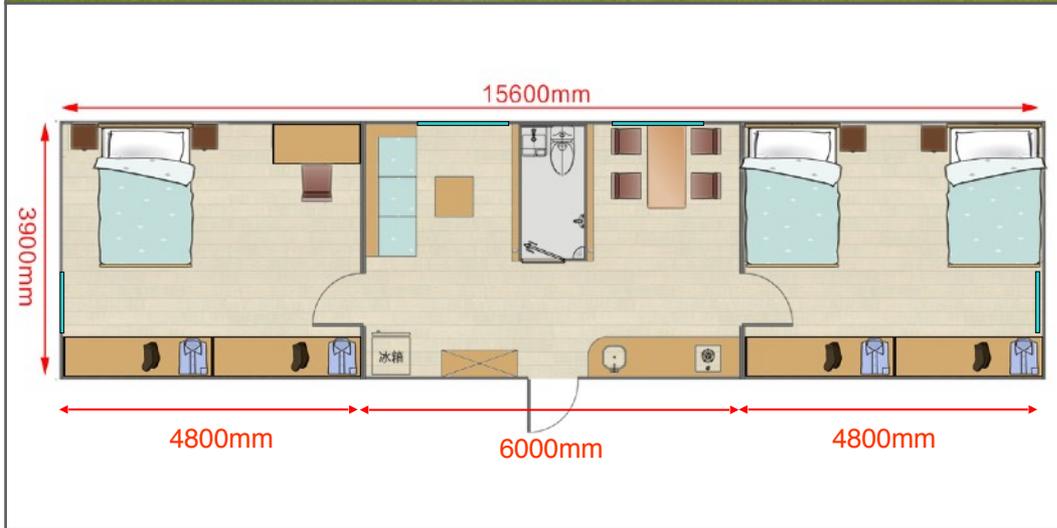
## Combine Scheme

We adopt modularization scheme, which can realize many kinds of combination scheme.

Front View

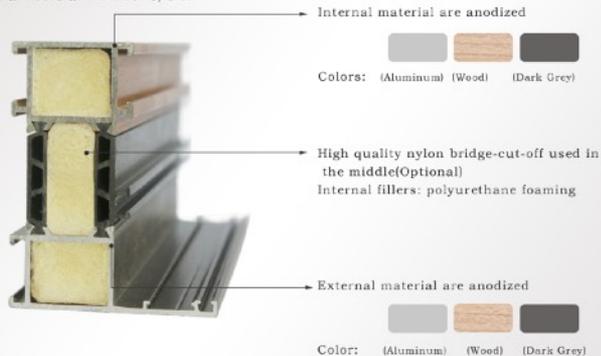


Floor Plan



### Frame Material Option Description:

It has many invention patents, long hinge, broken bridge, special doors and windows, etc.

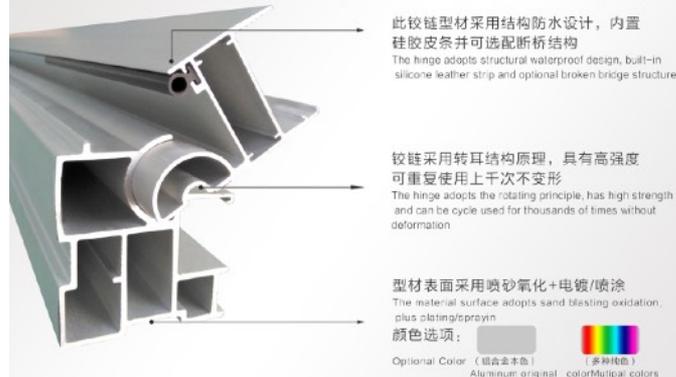


### 铝行舱铰链说明:

#### Hinge Specification

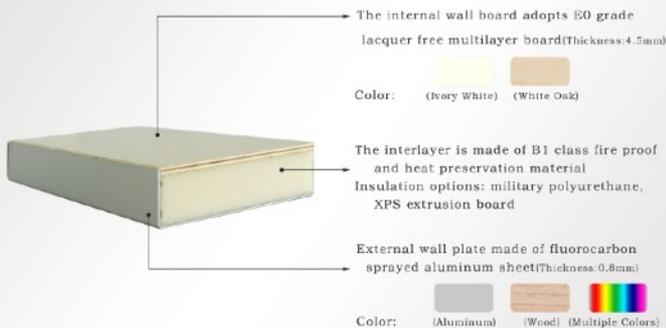
一套标准房层采用16套不同规格铰链系统, 采用6005高强度铝合金全长设计

A set of standard AMC house adopts 16 sets of different hinge systems with 6005 high strength aluminum full length design.



### AMC Plate Specification:

The plate has the advantages of high strength, lightweight, corrosion resistance, beauty, heat preservation, fire prevention, environmental protection and so on.



### AMC Floor Sheet Specification:

The plate has the advantages of high strength, lightweight, corrosion resistance, beauty, insulation, anti-slip, environmental protection and so on.

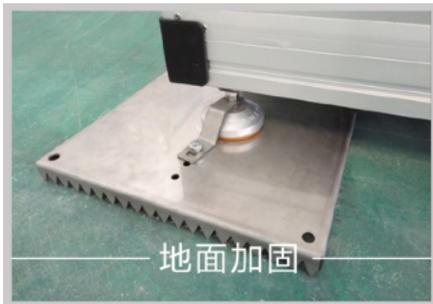


Accessory



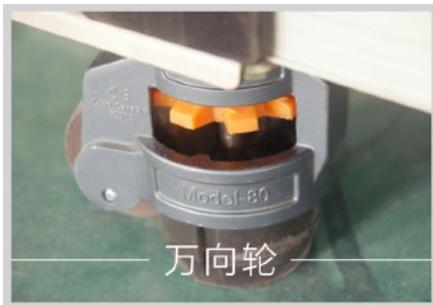
水平泡

Horizontal Bubble



地面加固

Ground Reinforcement



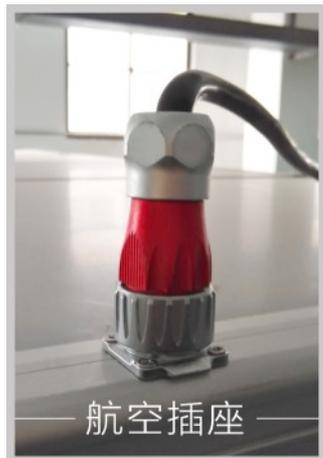
万向轮

Universal Wheel



脚杯

Foot Cup



航空插座

Aviation Socket



公牛开关插座

Bull Socket



户外太阳能感应灯

Solar Light



漏电保护

Leakage Protection

## Structure



◀ After Folded

## Structure

Rocker type horizontal adjustment

Horizontal Bubble

Bolt to lock the wall

With outer frame fillet design, and the double leather strip seal to fix the wall, which made stronger water tightness

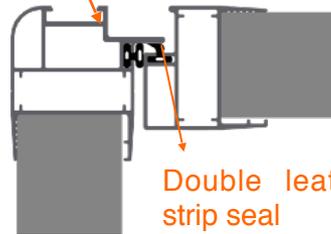
Round casting aluminum at the corners

Aluminum Aviation Socket

USB Socket

Hooks installed inside walls

The upper part of the door is designed to open windows for ventilation





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Combination

Adopt modular design to realize the combination of several houses





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## Facility (Optional)

### Facility:

Electricity: Use photovoltaic, small wind energy, mobile generator and so on;

Water: Use roof water tank, small water pump, small purification equipment, solar water heater and other equipment;

Excretion: Use degradation toilet, sewage tank and other equipment.



## Application

### Application:

Post-disaster resettlement: earthquakes, tsunamis, refugee camps, etc.;

Troop camps: war, peacekeeping, outposts, forest fire fighting, etc.

Accommodation: petrochemical, mining, exploration and other resources development.



## Application

Application:  
Camping base: desert hotel, seaside house, interior of scenic spot, etc.  
Infrastructure accommodation: construction sites, highway construction, etc.;  
Sports events: sports venues, large-scale festivals, etc.





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Application

Application Market(Mobile Kiosk, Equipment compartment)



## Advantages

The housing frame adopts 6063 high strength bridge cut-off aluminum alloy, featured with the characteristics of light weight, high strength, environmental protection, heat preservation, corrosion resistance, etc.

Building wall sandwich structure principle (fluorocarbon aluminum board + polyurethane insulation + wood lacquer free board, chassis using aluminum honeycomb plate and overhead treatment, wall board with light, heat preservation, fire proof, moisture proof, environmental protection, corrosion resistance and other characteristics.

Accessories using 304 stainless steel, with corrosion resistance, high strength and other characteristics; windows and doors using PC-board, with good weathering resistance, impact strength; all accessories with high durability, to ensure the long service life of the product.

Houses use innovative folding with invention patents; achieve a record high compression ratio of 1: 8; a 6M truck can carry 10 homes (12m<sup>2</sup>/set); transportation and storage costs are only a tenth of the cost of a traditional house.

Housing modular design and production, which achieved a variety of combinations. No need of large equipment on site, only 2 people 3 minutes to make a house, it's more safety, and it significantly reduced the labor costs, travel cost and management problems, which achieves rapid movement.

The house has integrated toilet, electricity, water, lighting and some basic systems, we used the best material without smell and environmental friendly, you can check in immediately when it intalled.



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## Folding Contrast

The first and second generations use up and down folding compression, which can't achieve the internal integration of any facilities or equipment

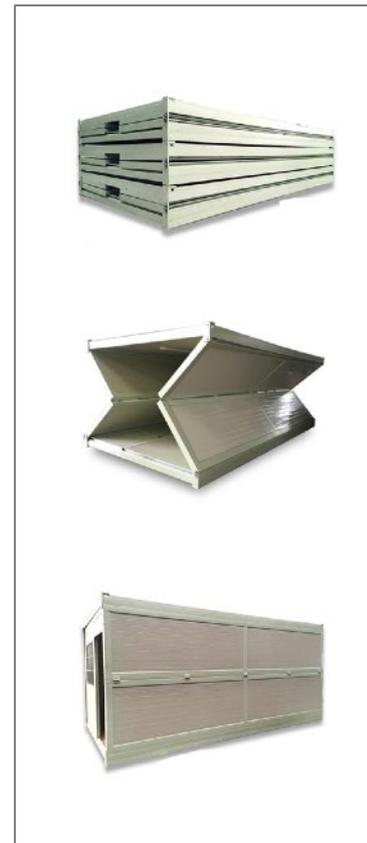
## 3rd Generation



## 2nd Generation



## 1st Generation





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## Folding Contrast

Parameter	3rd Generation	2nd Generation	1st Generation
Frame	100% Aluminum	Aluminum + Steel	100% Steel
Wall & Side Plate	Aluminum Fluorocarbon Sheet + Polyurethane + Fire Retardant Plate	Steel plate + Polyurethane + Steel plate	Steel Plate + Rockwool / EPS Plate + Steel Plate
Floor	Honeycomb aluminum floor	Cement fiberboard	Cement fiberboard
Hinge	Aluminum long hinge (core patent)	Steel door and window hinge	Steel welding
Adjusting System	Universal wheel + Ground cup + Horizontal bubble	NO	NO
Bathroom	Integral Bathroom	NO	NO
Furniture & Appliance	Air condition + Projector + Closet	NO	NO
Load QTY	20 Sets/40' container	12 Sets/40' container	12 Sets/40' container
Weight & Dimension	45Kg/m <sup>2</sup> (10-30m <sup>2</sup> )	90Kg/m <sup>2</sup> (12-25m <sup>2</sup> )	120Kg/m <sup>2</sup> (15m <sup>2</sup> )
Life Span	20Y / 300Times	10Y / 30Times	3Y / 3Times
Installation Requirement	2 people 3 mins / without assistance device	4 people 20 mins / with assistance device	4 people 20 mins / with assistance device



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Product Contrast

## AMC



## Board House



## Container House



## Aluminum Integral Room





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## Product Contrast

Parameter	AMC	Board House	Container House	Aluminum Integral Room
Frame	100% Aluminum	100% Steel	100% Steel	Aluminum + Steel
Wall & Side Plate	Aluminum Fluorocarbon Sheet + Polyurethane + Fire Retardant	Steel Plate + Rockwool / EPS Plate + Steel Plate	Steel Plate + Rockwool / EPS Plate + Steel Plate	Aluminum Plate + Rockwool / EPS Plate + Aluminum Plate
Floor	Aluminum Plate + Honeycomb aluminum floor + Aviation Ground	Cement Fiberboard	Cement Fiberboard	Cement Fiberboard
Folding	YES	NO	NO	NO
Adjusting System	Universal wheel + Ground cup + Horizontal bubble	NO	NO	Ground cup
Bathroom	Integral Bathroom	NO	Bathroom	Bathroom
Furniture & Appliance	Air condition + Projector + Closet	NO	Air condition + Projector + Closet	Air condition + Projector + Closet
Internor Decoration	Integral fine decoration	On site fine decoration	Integral fine decoration	Integral fine decoration
Load QTY	5-20 Sets / 40' container	12 Sets / 40' container	1-2 Sets / 40' container	1-2 Sets / 40' container
Weight & Dimension	45Kg/m <sup>2</sup> (10-30m <sup>2</sup> )	60Kg/m <sup>2</sup> (12-25m <sup>2</sup> )	150Kg/m <sup>2</sup> (15m <sup>2</sup> )	100Kg/m <sup>2</sup> (15m <sup>2</sup> )
Life Span	20Y / 1000Times	3 Y / 3Times	5Y / 10Times	20Y / 80Times
Installation Requirement	2 people 3 mins / without assistance device	5 people 300 mins / with assistance device	3 people 10 mins / with assistance device	3 people 10 mins / with assistance device
Price (USD/m <sup>2</sup> )	800-1280	160-480	800-1280	1920-3200



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## After-sale Advantages

1. The house all uses corrosion resistant material, it would not cause any pollution or generate garbage, and it can be recycled.
2. Houses can be quickly folded and transported to the warehouse in a short time, it would not occupy too much storage space in case of the next use, which comprehensively save much resources and personnel cost, meanwhile, it ensures the personnel safety.
3. The house adopts modular design, wall board color can be changed freely. The house also can be used for other places, such as disaster relief storage, urban construction, park facilities, construction sites, and so on.

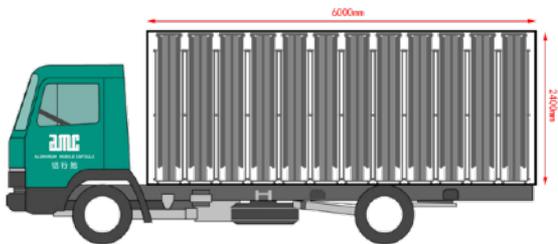


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## Core Advantages

20'container can fill with 10 housings(12m<sup>2</sup>/set)



### Folding

The house adopts aluminum alloy long hinge system, it's beautiful, firm, with span and durable

### Material

Frame span adopts aluminum alloy structure, wall uses aluminum plate + insulation board, which makes the whole house light, environmental protection and corrosion resistance

### Reliable

Structural waterproofing + silicone stripe treatment, watertightness, airtightness and other solutions

## Function

### Integration

Interior can be integrated with toilet, constant temperature, projector, bed, etc.

### Transportation and Storage

Structural folding minimization, maximum space utilization, equal size compression ratio 1: 8, dimensions customizable

### Place

It takes only two person and five minutes to complete the procedures, including internal facilities, without the cooperation of machinery and equipment.

amc<sup>®</sup>

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Strategic  
Cooperation

汉能 *Hanergy*



中华人民共和国民政部  
Ministry of Civil Affairs of the People's Republic of China

科逸 | COZY

CMIE  
中机国际

 新兴际华集团  
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炭致



住房和城乡建设部  
武进·绿色建筑产业集聚示范区





LOCATION  
AND TRAFFIC

地理交通

**Thank You!**



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武进·绿色建筑产业集聚示范区

AMC<sup>®</sup>

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常州铝行舱集成房屋有限公司

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