



Zhongnan Steel Structure

# PRODUCT

## Folding container house

NO.0003

PRODUCT NAME



**Application scenario**



**Product advantages**

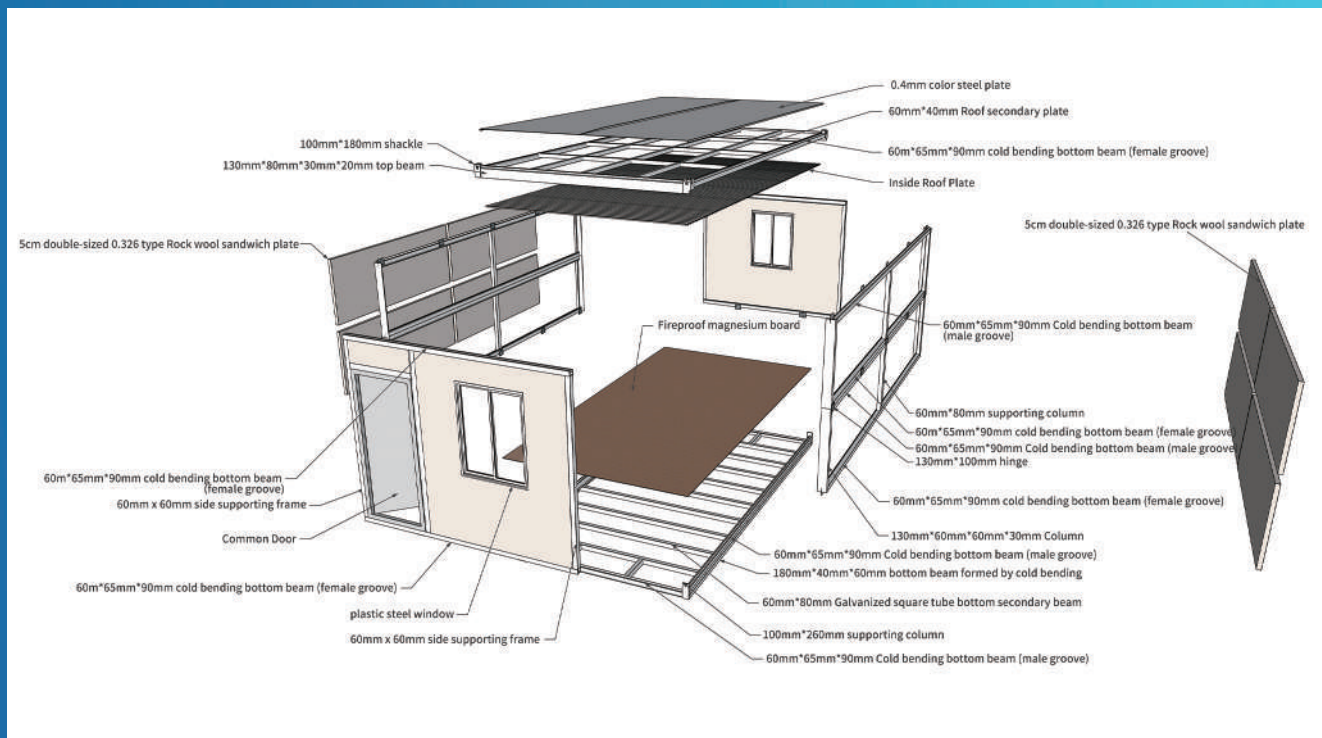


**Technical specifications**

## PRODUCT PARAMETER

SPECIFICATIONS	DETAIL	
Outline dimension	5800mm(L) * 2500mm(W) * 2450mm(H)	
Door	Special anti-theft door for folding container (860mm*1980mm)	
Window	Aluminum alloy anti-theft integrated window , 950mm*1200mm(With screen window)	
Floor	Grade A fireproof glass magnesium plate	
Wallboard	Heat insulation rock wool color steel composite sandwich panel (side wall)	
Top of container	104 color steel tile (0.5mm) , 831 ceiling tile (0.28mm)	
Frame	Special shaped steel galvanized concave convex pipe, Galvanized square pipe	
Cabinet Parameters	Roof bearing capacity	$\geq 50 \text{ kg/m}^2$
	Floor bearing capacity	$\geq 150 \text{ kg/m}^2$
	Walkway bearing capacity	$\geq 200 \text{ kg/m}^2$
	Wall pressure	$\geq 80 \text{ kg/m}^2$
	Fire rating	A-level fire protection
	Wall deformation coefficient	$\leq 300 \text{ kg/m}^2$
	Seismic rating	10 level seismic resistance
	Wind resistance level	Wind resistance level 10

# FOLDING CONTAINER EXPLODED VIEW



## INTRODUCTION TO FOLDING CONTAINERS

Folding container house is a foldable building designed using a container structure. Usually made of steel containers, it has the characteristics of sturdy and durable structure, and can be easily transported and assembled.

The design of the folding container house allows it to be unfolded or folded when needed to adapt to different spatial requirements and usage scenarios. When they need to be relocated or stored, they can be folded into a compact form for easy transportation and stacking. When needed, they can be unfolded and assembled into a complete building structure.

These houses can be used for various purposes, such as temporary accommodation, camping sites, on-site offices, mobile commercial spaces, etc. They are also very useful in emergency situations and can serve as temporary shelters or rescue bases.

The advantages of folding container houses include:

1. **Flexibility:** Space size and layout can be adjusted according to needs to meet different needs.
2. **Mobility:** Easy to transport and relocate, suitable for situations where location changes are frequently required.
3. **Durability:** Due to the use of steel containers, it has strong structural strength and durability.
4. **Quick assembly:** Compared to traditional buildings, folding container houses can be assembled and dismantled more quickly.
5. **Environmentally friendly:** Recyclable containers can be used for construction to reduce resource consumption.

It should be noted that the folding container house needs to undergo appropriate foundation treatment and structural reinforcement before use to ensure safety and stability. In addition, appropriate insulation and ventilation measures are also necessary to provide a comfortable living environment.



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## FOLDING CONTAINER MATERIAL LIST

100mm × 180mm lifting lug

130mmx80mmx30mmx20mm top beam

5cm double-sided 0.326 rock wool sandwich board

60mmx65mm x90mm cold formed bottom beam (mother groove)

60mmx60mm side support frame

Ordinary door

Plastic steel window

60mmx60mm side support frame

Fireproof glass magnesium board

0.4mm thick color steel tile top

60mm × 40mm top secondary beam

Internal suspended ceiling tiles

60mmx65mm x90mm cold formed bottom beam (male groove)

60mmx80mm support column

130mm × 100mm hinge

130mm × 60mmx60mmx30mm column

180mmx40mmx60mm cold formed bottom beam

60mm × 80mm galvanized square tube bottom secondary beam

100mm × 260mm support plate

