

## Detachable container house

PTH detachable container house standard size is 6058\*3025\*2591mm. It's frame uses Q355 low alloy carbon structural steel, hot-dip galvanized 100g/m. Material advantage is cold-rolling forming, high-strengthen structure and light weight with economical price. Because of the detachable packing way of the container frames, there are a lot of size options and the transportation cost is low. Clients can install manually without large cranes or equipments.



PTJ-10*20A	LENGTH	WIDTH	HEIGHT
EXTERNAL DIMENSIONS	6058mm	3025mm	2591mm
INTERNAL DIMENSIONS	5828mm	2795mm	2320mm

\*Length options : can add to 7038mm ( 23ft ) /8020mm ( 26ft ) /9000mm ( 30ft )

\*Width options : 2438mm ( exterior width )

\*Height options:2791/ 2991/3191mm , interior clear height 2520/ 2720/2920mm

\*Frame color options: dark grey, white grey, red, blue. Wall panel color is optional.

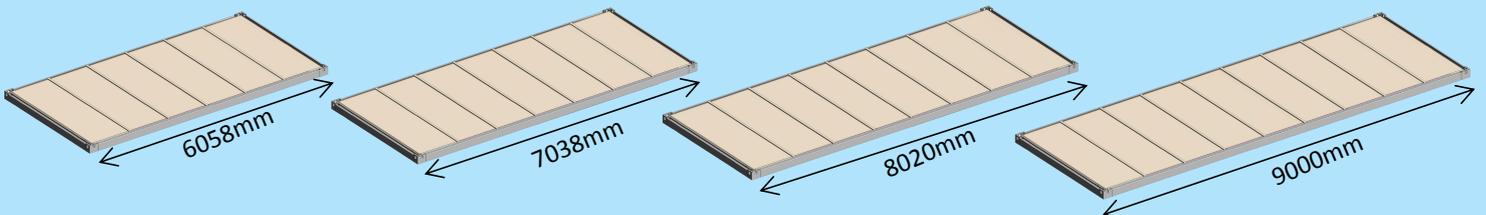
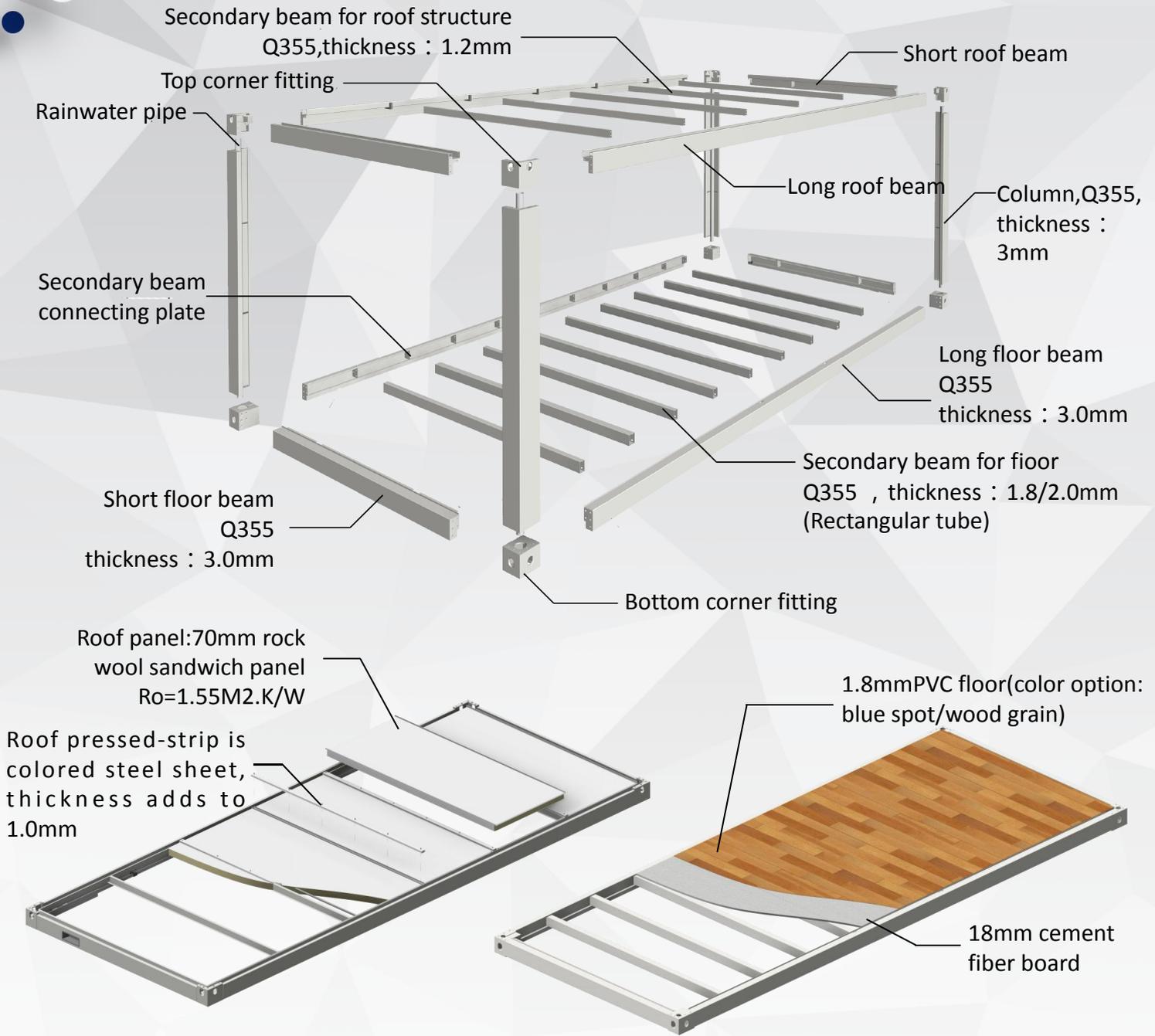
## CONFIGURATION TABLE



### 10\*20A Material Description

<b>Container Frame</b>	Q355B low carbon structural steel with hot dip galvanizing 100g/m <sup>2</sup> . After welding, the integral frame uses electrostatic powder spraying(100um). Frames use detachable components delivery and install in site.
<b>Roof Panel</b>	70mm rock wool sandwich panel, density is 120kg/m <sup>3</sup> . The steel sheet is with double-side colored steel sheet, upper sheet is 0.45mm, color white grey. Lower sheet is 0.40mm, color is milky white. Steel sheet is Aluminum Zinc galvanized 50g/m <sup>2</sup> + PE baking finish 15/5um.
<b>Column</b>	3.0mm thick Q355B steel , 210x150mm
<b>Wall Panel</b>	75mm EPS sandwich panel, EPS density:12kg/m <sup>3</sup> . Panel thickness option is 50mm、 60mm、 100mm , material option is PU (density 40kg/m <sup>3</sup> ) , rock wool( density 120kg/m <sup>3</sup> ). Colored steel sheet is 0.40mm. Panel's outside is color-optional with ribs, inside is milky white . The steel sheet surface is Aluminum Zinc galvanized 50g/m <sup>2</sup> + PE baking finish 15/5um.
<b>Floor</b>	1.8mmPVC floor(color option: blue spot/wood grain)+18mm cement fiber board
<b>Door</b>	960x2080mm Steel Door
<b>Window</b>	980x1150mm PVC single glass sliding window (with screen window inside). Option: Aluminum alloy window; adding wind-proof rolling shutter
<b>Electricity Standard</b>	<b>LED ceiling lamp:</b> 2pcs x 30w LED ceiling lamps, L=1200mm <b>Switch:</b> 1pc x single control switch (national standard rocker single control) <b>Socket:</b> 2pcs x 10A sockets, 1pc x 32A 3-level outdoor waterproof inlet socket. Option: adding air conditioner socket <b>Distribution box:</b> 1pc x 8-circuit power distribution box, built-in 1pc x 2P32A total circuit breaker (with leakage protection), 1pc x 1P lighting circuit, 1pc x 1P socket circuit
<b>Bathroom Standard</b>	This container house does not contain bathroom part. If adding drainage and inlet system, pipes are open-mounted, lower sewage pipe are concealed

**FRAME SYSTEM**



PTH detachable container's roof and bottom's fittings will be produced in factory, and install in site. So according to client's specific requirements, we can customize different sizes. Standard container length 6058mm can add to 7038mm ( 23ft ) /8020mm ( 26ft ) /9000mm ( 30ft ) .

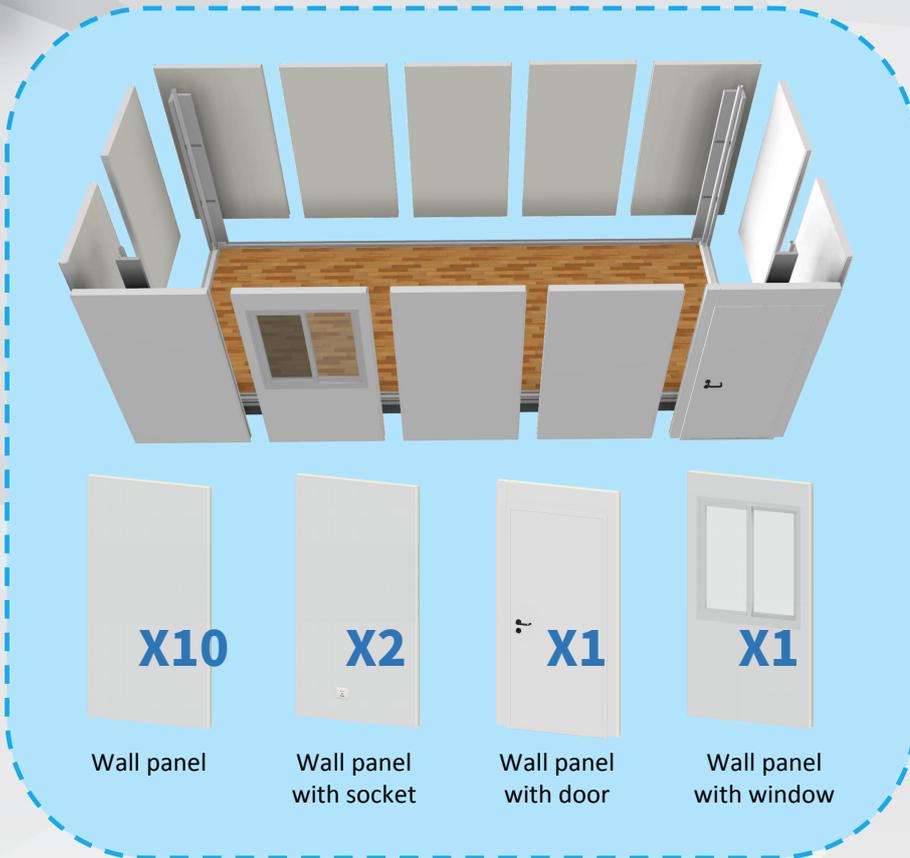
## WALL SYSTEM

Wall is combined of 14pcs wall panels. Standard is **75mmEPS sandwich panel**, EPS density is 12kg/m<sup>3</sup>. Door, window, switch, socket are all pre-assembled on the wall panel. There are prefabricated quick-plug on the wall panel, the panel position can be moved for random combination during installation.

Door : 960x2080mm, steel door

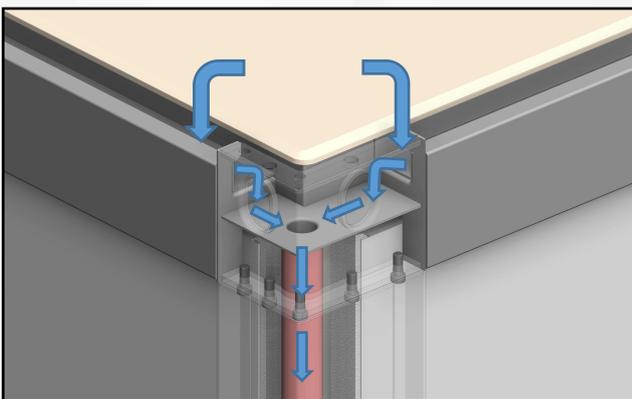
Window : 980x1150mm PVC single glass sliding window (with insect-proof screen).Option: Aluminum alloy window/adding rolling shutter.

Window and door are pre-assembled on wall panels , very convenient for installation. Position can be randomly moved.

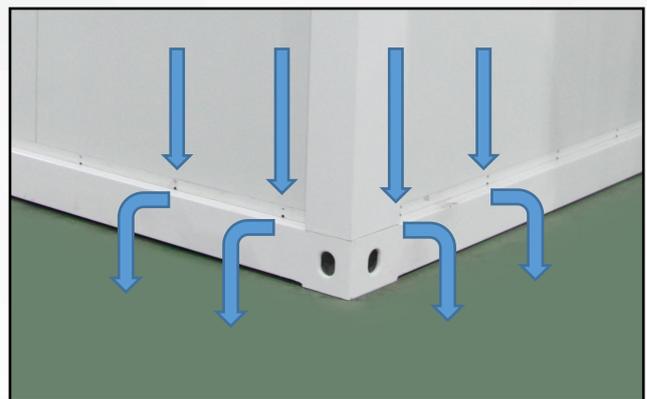


## INDEPENDENT DRAINAGE SYSTEM

Independent drainage system includes the gutters on the roof and seepage hole in bottom wall panel groove. Four columns are equipped with rainwater pipes and corner fittings'outfall. The water-falling mode is upgraded from free-falling water to column organized drainage. Meanwhile, the water seepage hole in the wall panel groove can effectively avoid rainwater infiltrating from the bottom.



Roof drainage channel' s widen design can prevent leakage due to excessive rain. Rainwater from the roof flows into the rainwater pipe through the roof drainage channel, and finally drains through the corner fittings outfall.



The bottom wall panel groove has water seepage holes. When the rainwater enters the wall panel groove along the wall surface, the small hole can allow the rainwater to be discharged in time to prevent water infiltration.

**ELECTRICAL INSTALLATIONS**

**CEILING**

2pcs 30w LED ceiling lamps

External plugs

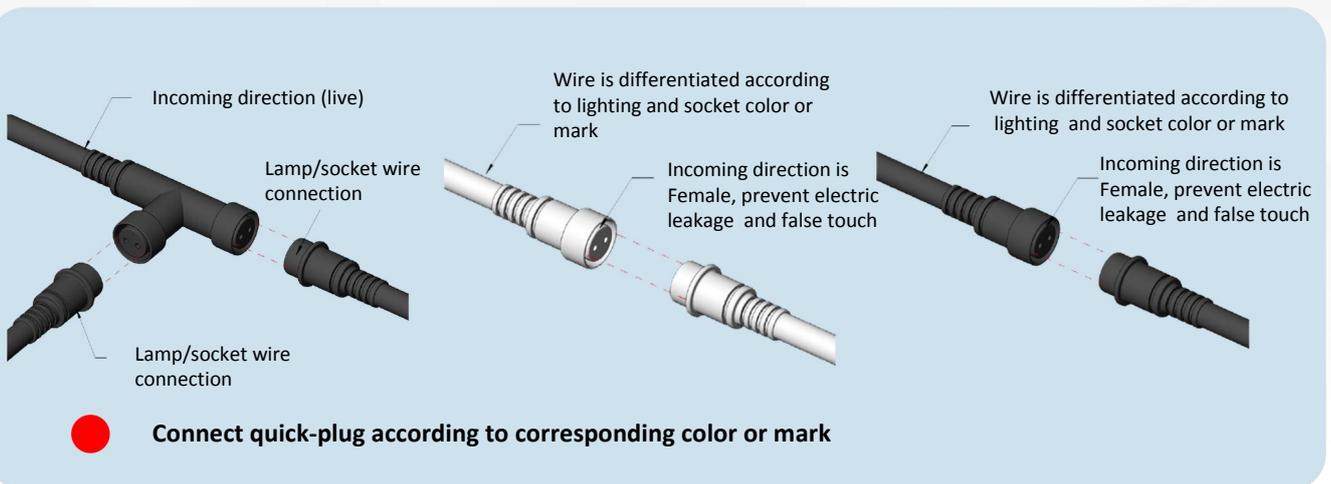


**WALL**

Switch

Socket

Distribution box



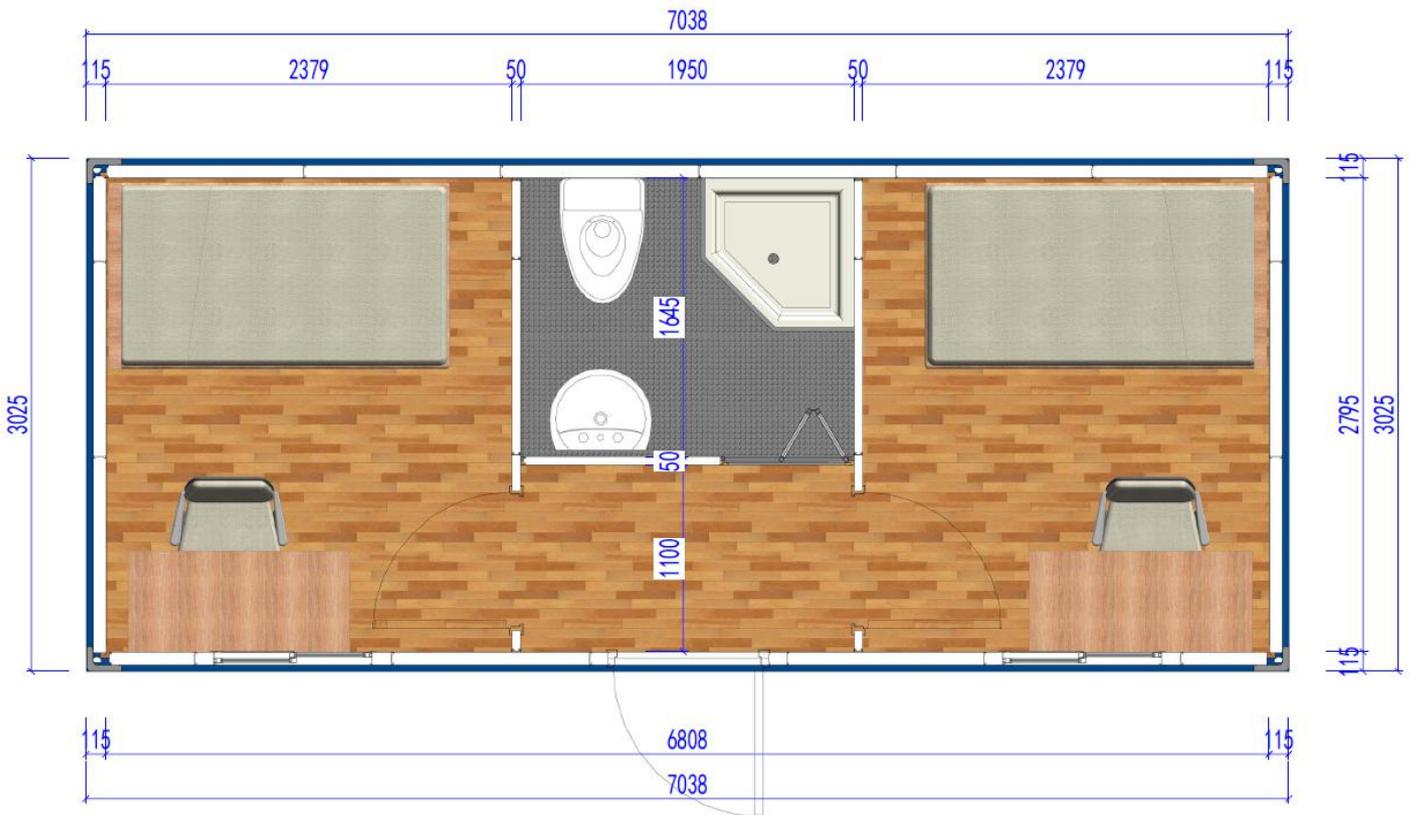
## MORE TYPE OPTIONS:10\*23A



### 10\*23A Material Description

<b>Size</b>	7038mm*3025mm*2591/2791/2991/3191mm
<b>Container Frame</b>	Q355B low carbon structural steel with hot dip galvanizing 100g/m2. After welding, the integral frame uses electrostatic powder spraying(100um). Frames use detachable components delivery and install in site.
<b>Roof Panel</b>	70mm rock wool sandwich panel, density is 120kg/m3. The steel sheet is with double-side colored steel sheet, upper sheet is 0.45mm, color white grey. Lower sheet is 0.40mm, color is milky white. Steel sheet is Aluminum Zinc galvanized 50g/m2+ PE baking finish 15/5um.
<b>Column</b>	3.0mm thick Q355B steel , 210x150mm
<b>Wall Panel</b>	<p><b>Outside wall panel:</b> 75mm EPS sandwich panel, EPS density:12kg/m3.Colored steel sheet is 0.40m.Panel's outside is color-white gray(RAL9016) with ribs, inside is milky white(RAL9003) .</p> <p><b>Inside wall panel:</b> 50mm EPS sandwich panel, EPS density:12kg/m3.Colored steel sheet is 0.40m.Color is milky white(RAL9003).</p> <p>*The steel sheet surface is Aluminum Zinc galvanized 50g/m2+ PE baking finish 15/5um.</p> <p>Panel thickness option is 50mm、 60mm、 100mm , material option is PU (density 40kg/m3) , rock wool( density 120kg/m3).</p>
<b>Floor</b>	<p><b>Dry area floor:</b> 1.8mmPVC floor(The color of PVC floor is blue spot/wood grain)+18mm cement fiber board</p> <p><b>Bathroom floor:</b> 2.5mmPVC floor ( gray spot ) +18mm cement fiber board</p>
<b>Door</b>	960x2080mm Steel door 880x2055mm Indoor steel door 800x2000mm Aluminum alloy folding door
<b>Window</b>	980x1150mm PVC single glass sliding window (with screen window inside). Option: Aluminum alloy window; adding wind-proof rolling shutter
<b>Electricity Standard</b>	<p><b>LED ceiling lamp:</b> 2pcs x 30w LED ceiling lamps,L=1200mm ,2pc x round LED ceiling lamp in bathrom</p> <p><b>Switch:</b> 4pc x single control switch (national standard rocker single control)</p> <p><b>Socket:</b> 2pcs x 10A sockets,1pc x 10A water-proof socket,1pc x32A 3-level outdoor waterproof inlet socket. Option: adding air conditioner socket</p> <p><b>Distribution box:</b> 1pcx 8-circuit power distribution box,built-in 1pc x2P32A total circuit breaker (with leakage protection),1pcx 1P lighting circuit, 1pc x1P socket circuit</p>
<b>Bathroom Standard</b>	1pcs 900mm* 900mm Curved shower room,1pc vertical wash basin, 1pc porcelain wseat,1set water supply and drainage system fittings

# DETACHABLE CONTAINER HOUSE 10\*23A



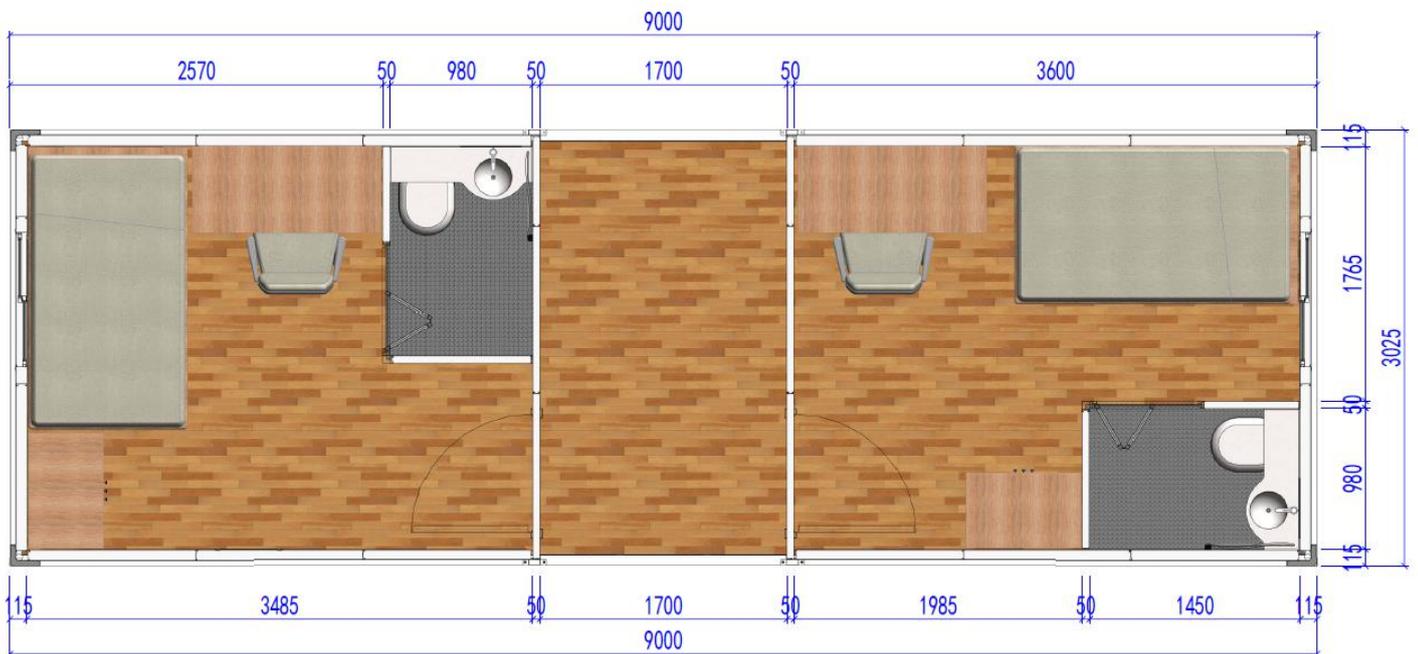
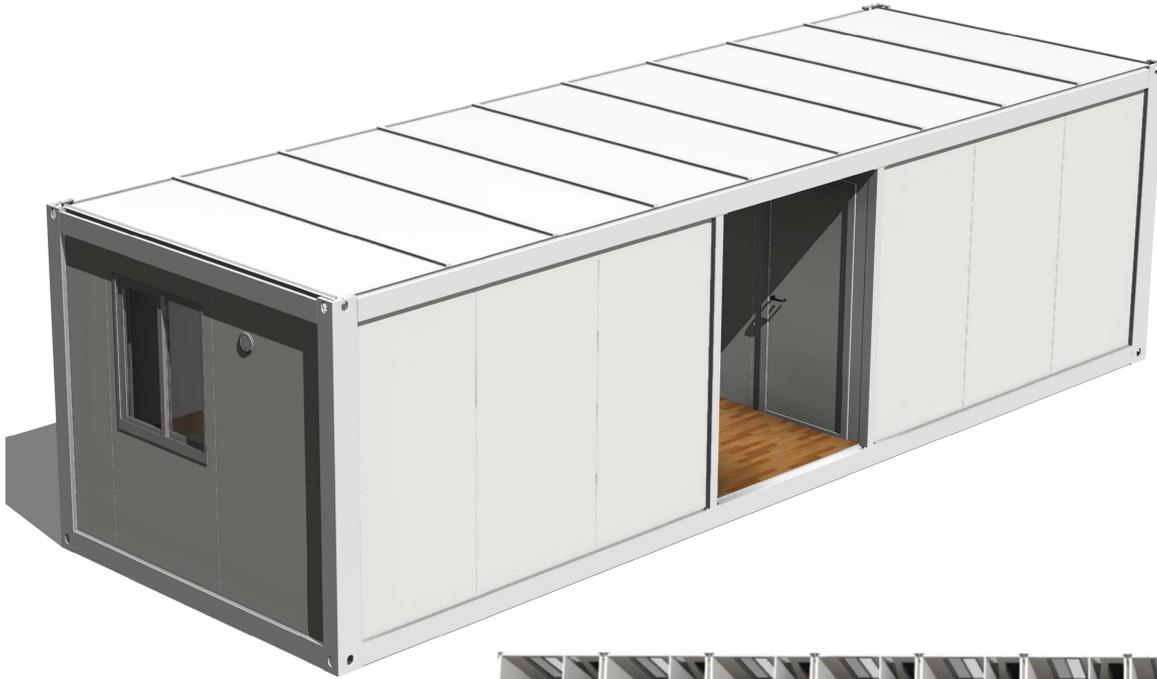
## MORE TYPE OPTIONS:10\*30A



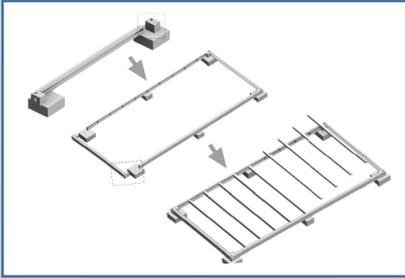
### 10\*30A Material Description

<b>Size</b>	9000mm*3025mm*2591/2791/2991/3191mm
<b>Container Frame</b>	Q355B low carbon structural steel with hot dip galvanizing 100g/m2. After welding, the integral frame uses electrostatic powder spraying(100um). Frames use detachable components delivery and install in site.
<b>Roof Panel</b>	70mm rock wool sandwich panel, density is 120kg/m3. The steel sheet is with double-side colored steel sheet, upper sheet is 0.45mm, color white grey. Lower sheet is 0.40mm, color is milky white. Steel sheet is Aluminum Zinc galvanized 50g/m2+ PE baking finish 15/5um.
<b>Column</b>	3.0mm thick Q355B steel , 210x150mm
<b>Wall Panel</b>	<p><b>Outside wall panel:</b> 75mm EPS sandwich panel, EPS density:12kg/m3.Colored steel sheet is 0.40m.Panel's outside is color-white gray(RAL9016) with ribs, inside is milky white(RAL9003) .</p> <p><b>Inside wall panel:</b> 50mm EPS sandwich panel, EPS density:12kg/m3.Colored steel sheet is 0.40m.Color is milky white(RAL9003).</p> <p>*The steel sheet surface is Aluminum Zinc galvanized 50g/m2+ PE baking finish 15/5um. Panel thickness option is 50mm、 60mm、 100mm , material option is PU (density 40kg/m3) , rock wool( density 120kg/m3).</p>
<b>Floor</b>	<p><b>Dry area floor:</b> 1.8mmPVC floor(The color of PVC floor is blue spot/wood grain)+18mm cement fiber board</p> <p><b>Bathroom floor:</b> 2.5mmPVC floor ( gray spot ) +18mm cement fiber board</p>
<b>Door</b>	960x2080mm Steel door 800x2000mm Aluminum alloy folding door
<b>Window</b>	980x1150mm PVC single glass sliding window (with screen window inside),5inch PVC ventilating fan Option: Aluminum alloy window; adding wind-proof rolling shutter
<b>Electricity Standard</b>	<p><b>LED ceiling lamp:</b> 3pcs x 30w LED ceiling lamps,L=1200mm ,2pc x round LED ceiling lamp in bathrom</p> <p><b>Switch:</b> 5pc x single control switch (national standard rocker single control)</p> <p><b>Socket:</b> 4pcs x 10A sockets,1pc x32A 3-level outdoor waterproof inlet socket. Option: adding air conditioner socket</p> <p><b>Distribution box:</b> 1pcx 8-circuit power distribution box,built-in 1pc x4P32A total circuit breaker (with leakage protection),1pcx 1P lighting circuit, 1pc x1P socket circuit</p>
<b>Bathroom Standard</b>	2*980mm wide wash table (including wash basin,water faucet,shower head) , 2pc porcelain wcseat, 2set water supply and drainage system fittings.

**DETACHABLE CONTAINER HOUSE  
10\*30A**



# CONTAINER INSTALLATION



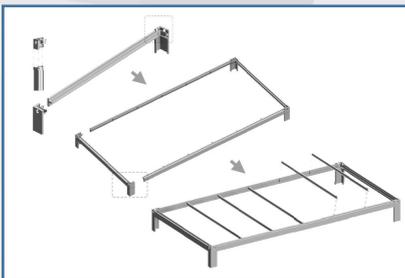
**STEP 1**  
Bottom beam installation



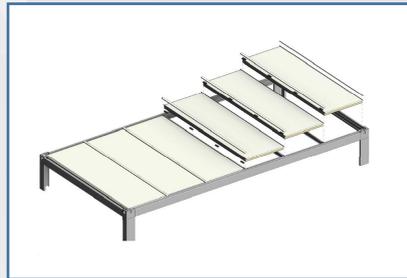
**STEP 2**  
Floor installation



**STEP 3**  
Column installation



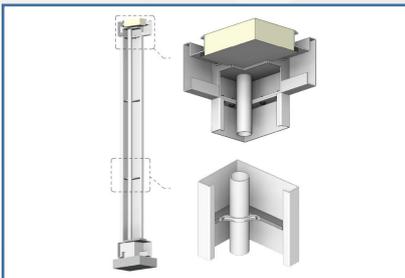
**STEP 4**  
Roof beam installation



**STEP 5**  
Roof panel installation



**STEP 6**  
Roof panel pressed-strip installation



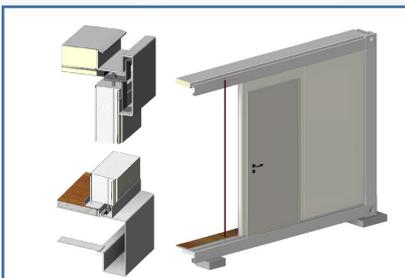
**STEP 7**  
Rainwater pipe installation



**STEP 8**  
Wall panel groove installation



**STEP 9**  
Wall panel Installation



**STEP 10**  
Suspension bar installation



**STEP 11**  
Power installation



**STEP 12**  
Decorative strip installation

## ECONOMICAL TRANSPORTATION

All the frames will use detachable components and install in site. Transportation volume will decrease 50% and building cost will be lower.



**WIDE APPLICATION**



**Camp**



**School**



**Office**



**Residence**



**Hotel**



**Shower room**



**Toilet**



**Restaurant**



**Resettlement community**



**Planting box**



**Shop**



**Hospital**

**WARRANTY AND AFTER SALES**

- ✓ Complete – All components have 1 year warranty.
- ✓ Each project will be equipped with detailed installation instructions and installation instruction videos. Engineers can be dispatched to the site for installation instructions according to customer's needs.
- ✓ If customer chooses a local installation team, PTH can provide technical training to the team for free.
- ✓ Anytime, any problem, our sales man and engineer will try our best to help you solve it.

# OPTIONS

<p><b>HEIGHT</b></p>	 <p>2591/2791/2991/3191mm External Height</p>		
<p><b>LENGTH</b></p>	 <p>6058/7038/8020/9000mm External Length</p>		
<p><b>FLOORING</b></p>	 <p>PVC floor(Wood Grain)</p>	 <p>PVC floor (Blue Spot)</p>	 <p>PVC floor (Gray Spot)</p>
<p><b>WALL PANEL</b></p>	 <p>50/60/75/100mm EPS Sandwich Panel</p>	 <p>50/60/75/100mm Rock Wool Panel</p>	 <p>50/60/75/100mm PU Panel</p>
<p><b>EXTERNAL DOOR</b></p>	 <p>Steel Door</p>	 <p>Aluminum Alloy Glass Sliding Door</p>	 <p>Double Opened Door</p>
<p><b>WINDOW</b></p>	 <p>Insect-proof Screen</p>	 <p>Windproof Rolling Shutter</p>	 <p>Security Bar</p>
<p><b>ROOF INSULATION</b></p>	 <p>Glass Wool</p>	 <p>Rock Wool</p>	
<p><b>ELECTRICITY</b></p>	 <p>IEC Standard(International)</p>		

\*Besides the above common options, we can also customize any other requirements.