

Integrated Type (Container Type/On-site Assembly Type)

Shelter

Facilities inside and outside of a shelter are offered synthetically.
Vital equipment are securely and steadily.

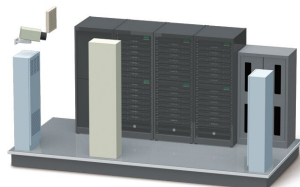


Shoden Corporation offers shelters boasting lightweight, high air tightness, high thermal insulating high weather resistance and including ancillary facilities satisfying the customer's specification. With engineering in various fields such as lighting damage, earthquake, network and security, we protect vital equipment securely and steadily from severe outer environments.

■ Why customers select Shoden

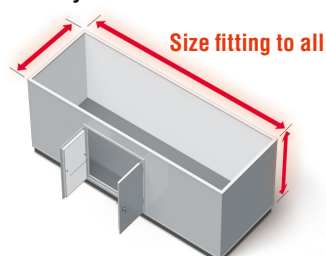
Assembly and production of inner equipment is available

It is possible to install and wire equipment and facilities responding to a customer's specifications in a shelter.



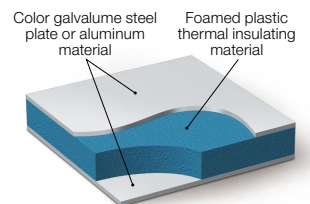
Shelter size can be designed flexibly

The shelter size can be designed depending on various conditions such as the sizes of inner equipment and installation places.



Lightweight and high-function sandwich panel is adopted

Sandwich panels have such a structure that the foamed plastic thermal insulating material as the core is sandwiched between the color galvalume steel plates or aluminum material as the surface material. With this structure, the panel exerts excellent airtight, thermal insulating and weather resistant properties.



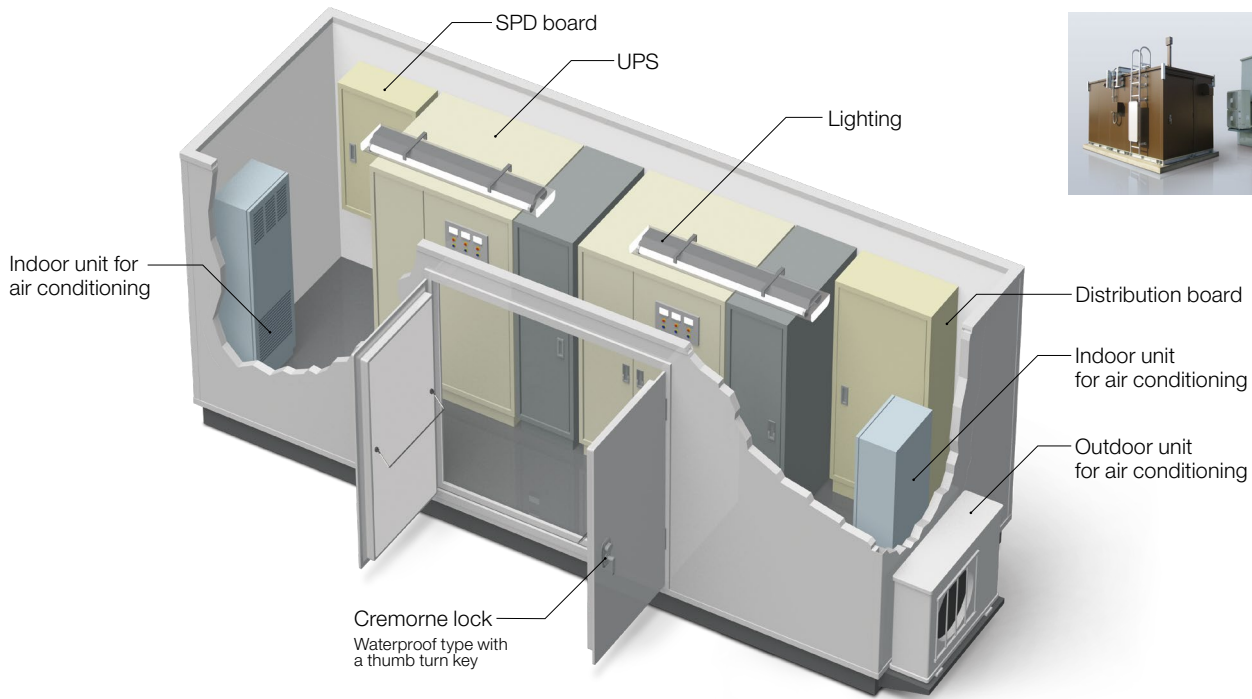
Enriched maintenance service menus

We offer maintenance service not only for the facilities inside the shelter but for the outer packaging of the shelter. Thanks to prompt fault countermeasures, customers can use it in peace after installment and introduction.



Shelter

■ Example of Shelters



■ Specification

Standard Specification		
Panel Specification	Outer Panel/ Inner Panel	Galvalume Steel Plate *Changeable to aluminum or stainless plate.
	Heat Insulating Material	40 mm and 50 mm
Design Strength	Earthquake Resistance	Horizontal Acceleration: 1.0G Vertical Acceleration: 0.5G
	Survival Wind Speed	Maximum Instantaneous Wind Speed: 60m/s
	Roof Strength	Snow Accumulation Amount: 1.0m Load of Snow Accumulation: 3000N/m ² (300 kg/m ²)
	Floor Strength	Equal Distribution Load: 5000N/m ² (500 kg/m ²)
* Each strength is changeable upon the customer's designation		
Waterproof / dustproof performance	Satisfies the performance conforming to IP44	
Ancillary Equipment	Ventilation facility (Ventilation fun, shutter and hood), lighting equipment, power outlets for works, alternative distribution board	
Relevant Works	Foundation work, shelter assembly work and electric facility work	

Option

Main Body Option

Salt damage resistant coating, Special color coating, Specifications against heavy snow, Specifications against violent wind, Double floors (Free access floor)

Ancillary Option

Filter against salt damage, Cable rack, Distribution board, Control board, Air conditioner, Fire extinguishing facility, SPD board, Lightning resistant transformer, Distribution board, Optical distribution board, Uninterruptible power supply device, 19-inch rack and Solar panel.

Type of Structure

Integrated type (container type)

- Transportable as an integrated unit. On the site, it is just lifted off and secured on the anchorages on the base.
- Transportable in the condition where facilities are kept mounted in a shelter.

On-site Assembly Type

- Since the components are all unit structures, easy assembly work shortens the construction period.
- As for conveyance, it is easily conveyed to and assembled even at a place having severe conditions such as a mountainous area, a building rooftop or an area under an iron tower.
- It can be conveyed with a crawler dump truck or a helicopter.

■ Example of Construction Work

With the reliable construction work engineering, we offer shelters having the customer's specifications.



Shelter for signals/communications



Shelter for mobile carriers



Shelter for solar power generation system



Shelter for disaster prevention wireless system