

# Solar Powered Medical Laboratory



## Scope of Application

Designed for collection, screening and analysis of infectious disease samples in remote areas.

## Innovative Design

- ⦿ Solar direct drive, suitable for remote regions where power shortages are common
- ⦿ High efficiency solar panels to ensure the operation of large power consumption equipment
- ⦿ Solid and durable
- ⦿ Safe and reliable

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## Product Features



### Thermal Insulation

The glass facade adopts double-layer hollow tempered glass, and three-layer double-cavity hollow glass can be used in extremely cold areas, which has strong thermal insulation performance; The heat transfer coefficient of the wall is only  $0.21\text{W}/\text{m}^2\text{K}$ , which is one thousandth of that of aluminum alloy materials.



### Waterproof and Impermeability

The exterior wall is made of aluminum-plastic board, which has the advantages of waterproof, anti-corrosion and wear resistance.



### Snow Load

The maximum snow thickness on the roof is 1m.



### Insulation lightning Protection

When it is located at the top of the mountain or in open terrain, it can be equipped with lightning protection device; It is not required to be equipped in general areas. The outer wall is made of inorganic non-metallic materials, which is a good insulator.



### Windproof and Earthquake Resistant

The anti typhoon grade is 11 and the seismic coefficient is 8



### Service Life

The service life of the major structure is 50 years.

## Product Advantages



Functional interior divisions: reagent preparation area, analysis area and equipment room



Reagent preparation area and analysis area are equipped with ULTRAVIOLET disinfection lamp



Water supply and drainage system:

- Equipped with special water storage tank (> 200L), circulating water supply, induction faucet and water volume regulating valve, and the laboratory is equipped with hand washing basin and eye washer
- Equipped with sewage collection box (> 300L), sewer pipe with reflux device



Configure access control system and unlock fingerprint



Surveillance cameras and mass storage devices are equipped outside the laboratory



Complete power supply system:

High efficiency solar panels, control inverter integrated machine, battery and other power supply system, can provide about 20 degrees of electricity every day, to ensure the operation of large power consumption equipment such as air conditioning; (Can be configured according to user requirements)

## Convenient Transshipment

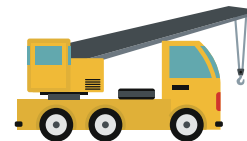
Integrated transportation by container



Integrated transportation by truck



Integrated short-distance transfer by crane



## Installation and Deployment

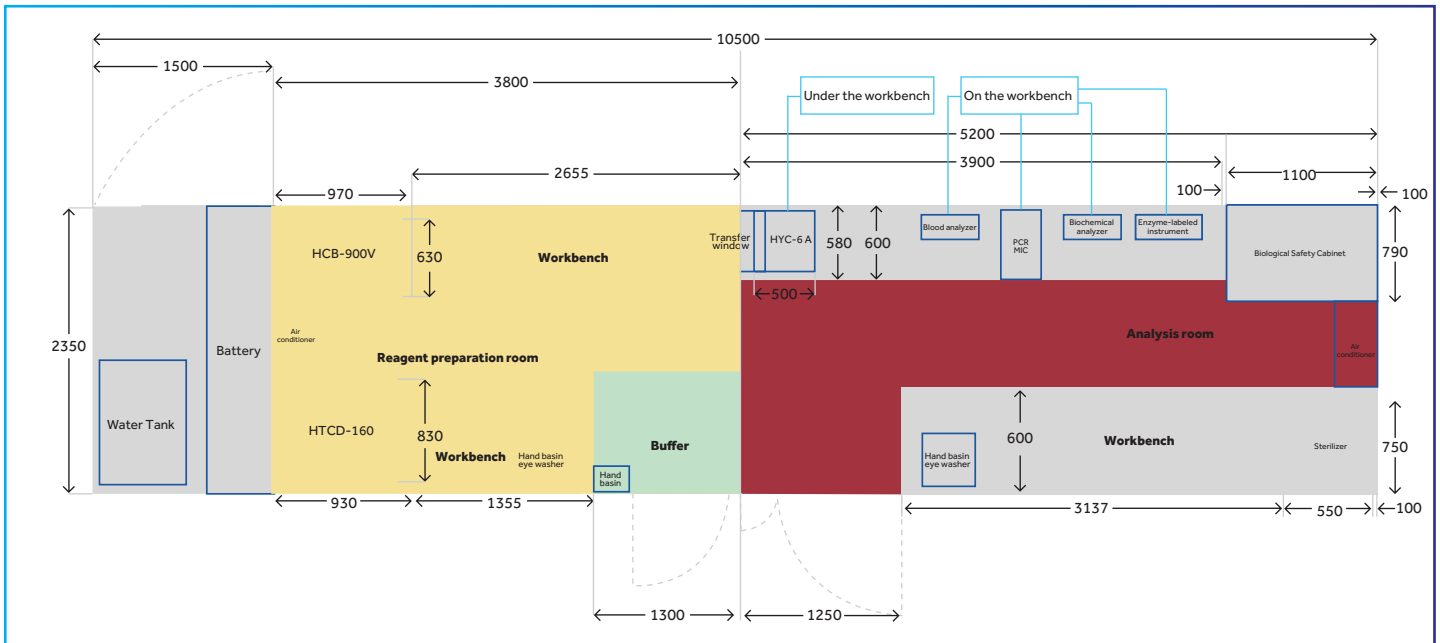


Rapid deployment and installation (2 people \*2 days), fast put into use

## Interior View



## Interior Layout Design



## Specifications



Product Name	Power Supply	Power (W)	Exterior Dimensions (W*D*H)(mm)	Interior Dimensions (W*D*H)(mm)	Weight (kg)
Mobile Solar Lab	220V/50HZ	4000	10200*2250*2350	10000*2050*2150	10000

\*Haier Biomedical reserves the right to change products and specifications without prior notice.