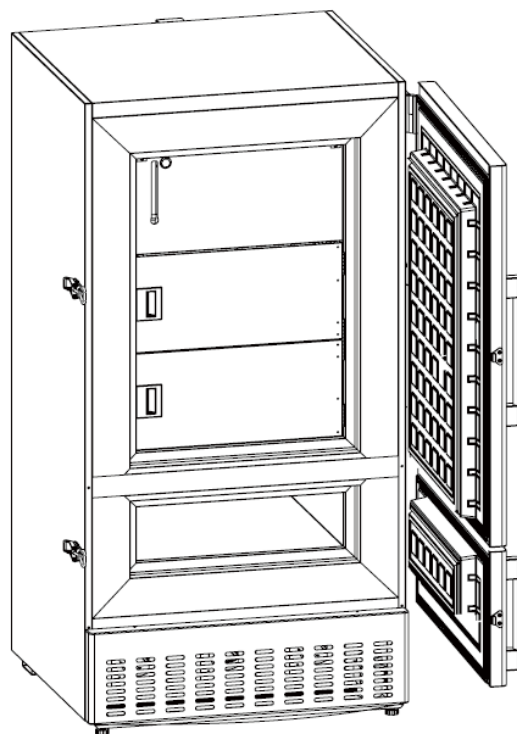
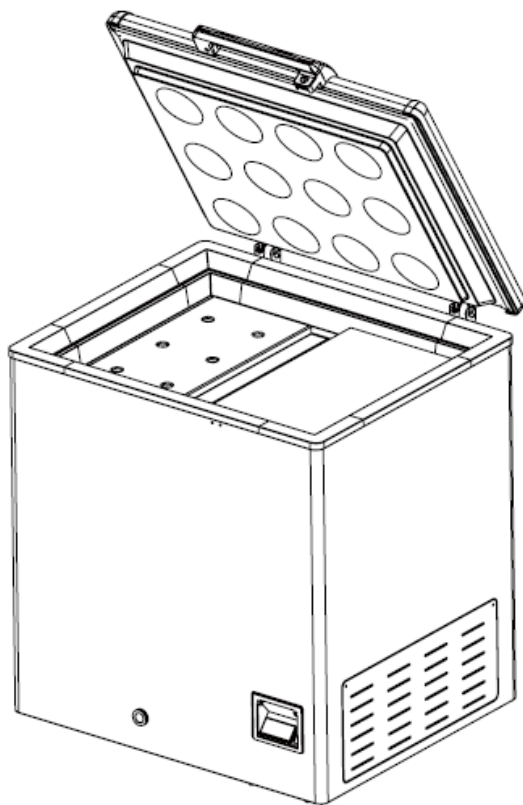


# Haier



## Solar Vaccine Refrigerator

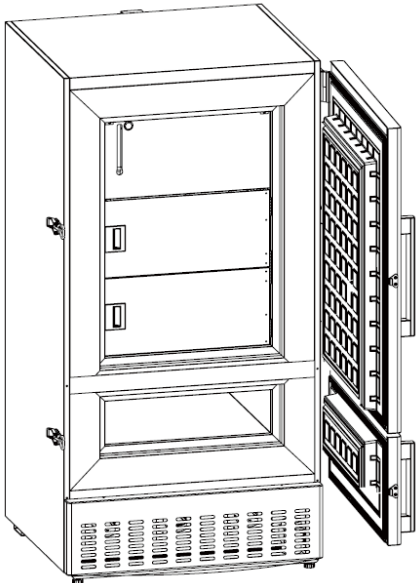
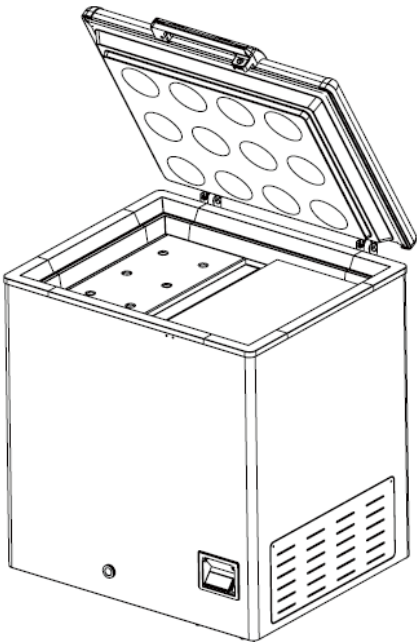
## Operation Manual



Model:  
HTC-60H  
HTCD-160

(The figure is the schematic diagram of HTC-60H series) (The figure is the schematic diagram of HTCD-160 series)

- Read carefully the manual before use
- The company reserves the right to interpret the manual
- Appearance of product in kind prevails
- Keep the manual along with invoice after reading in a proper manner
- Product may be subject to technical or software upgrading without further notice



## With high quality, Haier deserves your choice.

The product is applicable to pharmacies, pharmaceutical factories, quarantine stations, health centers and hospitals, used to store biological products and those need to be stored at a temperature between 2~8°C.

### Temperature control

Computer control, digital display of temperature, temperature display accuracy as 0.1°C and temperature range as 2°C ~ 8°C.

### Safety system

- High and low temperature alarm or sensor fault alarm
- Two alarm methods (buzzing alarm, flashing alarm)

### Refrigeration system

- Refrigeration system with further optimization, imported compressor and main components and better refrigeration performance
- Sealing-pipe cold conduction patented technology and more uniform temperature within the box

### User-friendly design

- User-friendly design, computer control, smart and carefree, adjustment not required
- High-performance thermal insulation layer, with excellent insulation effect
- Automatic evaporation of condensate water, safety door latch
- Equipped with USB charge jack, it can be used to charge devices such as cellphones.

We apologize that the Haier solar energy product provided for you may be a little different from the figure in the manual due to product improvement. The manual may be subject to changes without further notice.

Content:

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# Safety Precautions

Dear Haier User:















Thanks for using Haier solar product. In order to use the product better, please make sure to read safety notes in this manual carefully.




















Don't



Does

-  The solar panel shall be equipped with a lightning conductor;  
The ground wire of the solar panel shall not be connected with the product.
-  Please use the special power supply labeled on the nameplate of the product. Otherwise, the product might be damaged.
-  If you do not use the product for a long time, please pull out of the power plug, so as to prevent from electric shock, electric leakage or fire of the power line for aging.
-  If you need a longer line for connecting the solar panel and the product, please refer to instructions in the manual for the line specification.
-  If the product is idle for a long time in the area supervised by nobody, please ensure keeping children far away from the product and also closing the door of the product completely.
-  The product shall be installed by certificated operators or after-sales service personnel only. Otherwise, fire might take place and the product might be damaged.
-  The product shall be scrapped by relevant specified personnel only. The door shall be disassembled to avoid accidents, e.g. suffocation.
-  When the product with an auxiliary battery is not in use for a long time, the battery cable plug shall be pulled out.
-  Make sure that the product is placed on the flat floor. Otherwise, damage or injury or abnormal noise might be caused due to the inclination of the product.
-  If toxic, harmful and radioactive substances are stored, please use the product in a safe area. Improper use may endanger people's health or the environment.
-  If inflammable gas leaks, please switch off the gas leakage valve immediately, open the door and windows for ventilation and also do not move the switch or connector of the product.
-  Please make sure that the product is switched off to prevent from damage to the product before the product is maintained.
-  Make sure that surrounding drugs or suspended substances will not be absorbed into the machine during maintenance. Otherwise, it is harmful to health.
-  After the product is moved, keep it silent for 10min. and do not switch it on immediately. Otherwise, the refrigerating system might be damaged.

-  Please hold the door handle to close the door cover of the product to prevent from finger injury.
-  Do not connect the product to the ground via coal gas pipeline, water supply pipeline, telephone line or lightning rod. Otherwise, electric shock or other dangers might be caused.
-  It is strictly forbidden to connect the cathode and anode of the storage battery in the wrong way, if the product is equipped with an auxiliary battery.
-  It is strictly forbidden to connect the cathode and anode of the solar panel in the wrong way.
-  Do not use the refrigerator in the open air. When the refrigerator suffers rain, electric leakage might be caused.
-  Do not put the refrigerator in the wet place or the place where water may spray on it easily. Otherwise, electric leakage or electric shock might be caused by lower insulation.
-  It's forbidden to pour water on the refrigerator directly. Otherwise, electric leakage or electric shock might be caused.
-  The solar panel shall not be installed on a high building, tree or other places where the solar panel might be sheltered. Otherwise, the efficiency of the solar panel might be affected.
-  It is forbidden to place inflammable or explosive or volatile substances in this product. The product shall be far away from combustible sprays. Otherwise, explosion or fire might be caused.
-  It's forbidden to place corrosive substances, e.g. acid and alkali, on the product directly. Otherwise, its components or electric parts might be damaged.
-  It's forbidden to drill a hole on the product without approval. Otherwise, the moisturizing and refrigerating performance of the product might be affected.
-  It is forbidden to insert metallic goods, e.g. iron needle or wire, in any hole or gap of the product. Otherwise, damage or injury might be caused when they touch moving parts.
-  It's forbidden to pour water on the product directly. Otherwise, short circuit might be caused.
-  The user shall not disassemble, repair or refit the product. The certificated operator is allowed to do this only. Otherwise, fire might be caused or the product might be damaged because of improper operation.
-  Do not climb up the product or overlap the product. Otherwise, the product inclination might injure people.
-  If the product is equipped with a freezing compartment, please do not put glass bottles and charged substances in the compartment. Otherwise, they might get frozen and crack and injure people.
-  Plastic package bags shall be put in the place where children cannot reach, because they might choke children.

## Precautions for Use

- For product with batteries, disconnect the switch of battery connecting lines if the product will be out of service for long time. Reconnect the battery switch when it is put into operation again.
- Make sure the temperature inside the product has reached the set value and then put into the articles.
- The temperature display value of product refers to the temperature value at the temperature sensing probe inside the product. Though the temperature displayed is different from the actual one at the center of product, it will approach to the real temperature gradually.
- Clean the product with neutral detergent diluted. Brushes, acids, gasoline, soap powders, polishing powders or hot water are prohibited to clean product as these materials may damage the painting surface and plastic & rubber components and parts. Never wipe the plastic & rubber components and parts with volatile solvent such as gasoline.
- Shut off the power as well as the battery switch if the product will be out-of-service for a long time.
- Reduce the time of keeping door open when storing or taking food each time, to prevent great fluctuation to the temperature and humidity inside the product.
- The product will see a sharp temperature increase in a short time when the door is opened, which is normal, and the temperature will resume 1h after the door is closed.
- The product shall operate at an ambient temperature between +5°C and +43°C and the temperature of vaccine storage area will exceed +2 to +8°C if the ambient temperature is below or above defined one.
- Do not place articles at the bottom of inner container or around the shelf as the product temperature will be ununiform if the air duct is blocked.
- The display temperature and humidity may be a little different from the actual ones due to refrigeration inertia, which is normal.
- The USB 2.0 jack can only be used to charge devices that meet the above parameters; please try to use it under conditions where there's sufficient sunlight.

## Installation environment

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- Ambient temperature: 5°C to 43°C, air conditioning system is required as necessary.
- Ambient humidity: below 85%Rh.
- Avoid excessive dust.
- Avoid mechanical swing or vibration.
- The product shall operate at an altitude lower than 2000m.



- Normal operation will be impossible for product if it is installed in environments other than those described above as it is sensitive to ambient temperature. Start operation after the environment is improved.
- It is prohibited to install the product outdoor. Electric leakage or shock may be caused if the product gets wet by rainwater.
- The product shall not operate at places where ambient temperature is below +5°C.

## Installation site

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The installation site shall meet following requirements for normal operation and best performance of product:

- Do not install the product in a narrow and confined space and the door of the installation space may not be smaller or lower than the product, to ensure smooth entry and exit of the product as well as to prevent damage to the stored articles due to not timely repair of product as the
- installation site is not easy to be accessed.
- The ground at the installation site shall be solid and flat. It is well ventilated and free from direct sunshine.

No smaller than 1m<sup>3</sup> room shall be provided every 8g R600a to prevent refrigeration medium from forming flammable mixed gas after accidental leakage.




- Do not ground the product through gas pipes, water supply pipes, telephone lines or lightning conductors as electric shock may be caused.
- The power line or plug must be accessed after installation to ensure the power can be disconnected in a timely manner in emergency cases. The air vent shall be free from barriers.



## Preparation Before Use

### 1. Remove the packaging materials and strings

Remove all packaging materials and strings for transport.


 **Caution** The plastic packaging bags shall be out of reach of children.

### 2. Count refrigerator accessories accompanied

Check the articles inside the refrigerator against the packing list; if any difference, contact the after-sale service.

### 3. Placing conditions

Leave a gap of 10cm in minimum around the refrigerator for ventilation and heat dissipation.

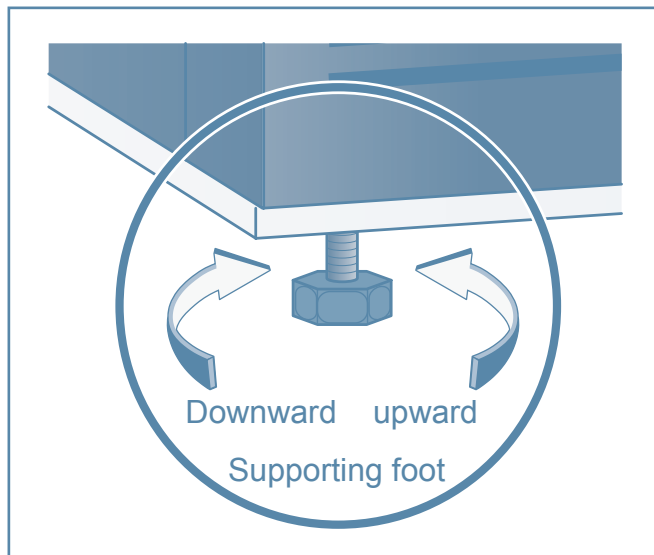
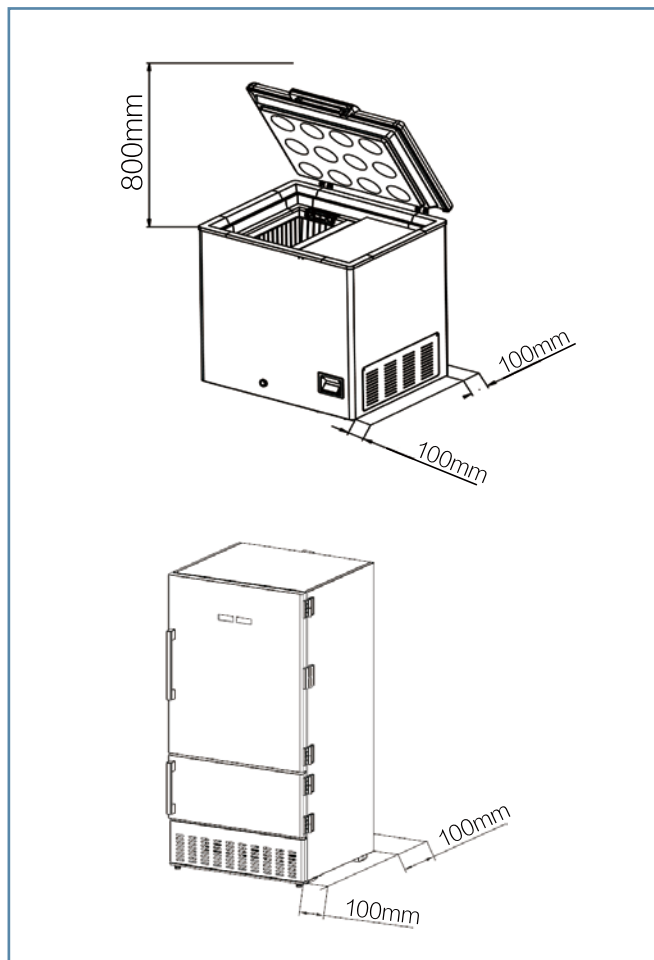
 **Caution** Enough room shall be left at the cabin grid for maintenance and ventilation.

### 4. Adjust bracing foot (if included)

Rotate the leveling feet with wrench in clockwise direction to extend them outward and support on the ground. Make sure the refrigerator will not move during operation.

### 5. Standing

Do not switch on the power after the refrigerator is placed, leveled and cleaned. Keep it in standing for more than 24h before switching on the power so as to ensure proper operation of refrigerator.



## 6. Cable Selection

Please refer to the table below for the selection of appropriate cable diameter and length if necessary.

### 24VDC

Specification		Maximum Length	
Cross Section	AWG		
(mm <sup>2</sup> )	Gauge]	(m)	(Inch)
41	1	10	32
69		15	49
88		20	65
10	7	25	82

### 12VDC(Applicable for HTC-60H only)

Specification		Maximum Length	
Cross Section	AWG		
(mm <sup>2</sup> )	Gauge]	(m)	(Inch)
41	1	15	49
69		22	72
88		30	98
10	7	40	130

## 7. Solar Panel Cable Connection

Direct connection of solar panel cable and product end cable



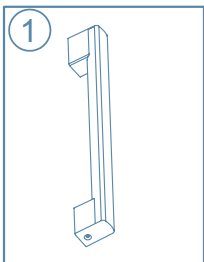
HTC-60H Product end cableH



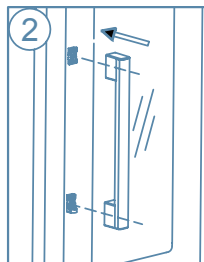
TCD-160 Product end cable

## 8. Door Handle Installation (for vertical products)

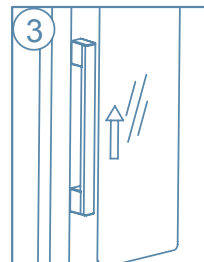
For a vertical product, the door handle shall be installed later according to the following procedures:



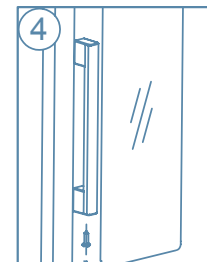
1. Put the handle end face with a hole down.



2. Align the handle and the handle seat on the door.



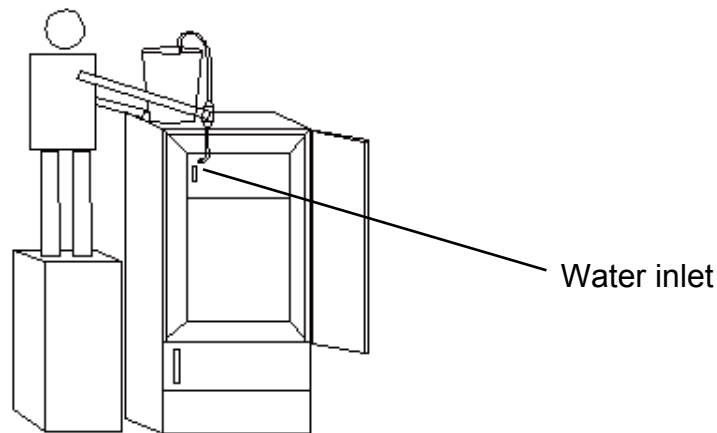
3. Lift the handle upwards after fixing the handle with its seat firmly.



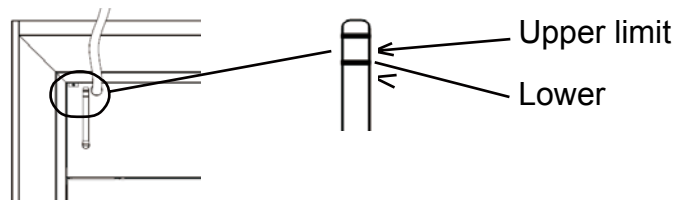
4. Use screws to fix the handle firmly after mounting the handle firmly.

## 9.Fill Water in Water Tank (Applicable for HTCD-160)

- Put the container fully filled with purified water on the top of the product or at a higher position. Then, put the antiseptic substance in the container.
- Insert the long end of the water absorber in the water container. Unscrew the water plug. After water starts flowing, it is unnecessary to squeeze the air bag and water can flow into the water tank automatically.



- After a certain volume of water is filled, check the liquid level. When it reaches the middle of the maximum and minimum water lines, stop filling water.



- After injection, tighten the water plug.

## 10.Battery Cable Terminal Connection (for HTC-60H only)



- This terminal shall be connected only if the product is equipped with an auxiliary battery.
- The cable terminal in the following picture shall be connected only after the solar panel is connected with the product.



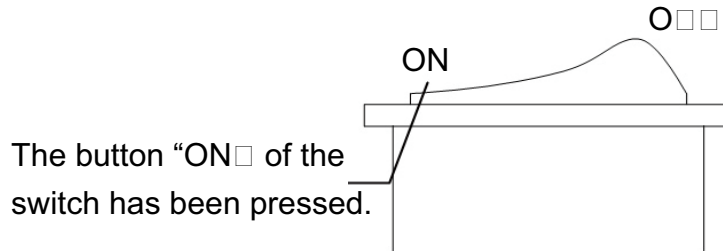
Initially, the cable terminal is disconnected.



This is the state after connection.

## 11. Main Power Switch

The main switch button is on the external side of the electric control cabinet. After all harnesses and terminals are connected well, you can press the button "ON" of the main power switch after the product is kept silent for 2h above when the product is switched on for the first time.



## 12. Equipment Operation

When the product runs after being switched on, check if the fan in it runs normally (if there is an internal fan). The temperature reduction time of each product is different if it is used in different environment. Normally, it takes 5-6 days to reduce the temperature in the compartment to the scope of (+2°C\_+8°C). Then, vaccine can be loaded and must be placed in the vaccine basket (or rack). After that, if the product you buy contains a blue water box, put the top blue water box in place and then ensure the door cover is installed well.

If the product has a freezing compartment, please pay attention to observing the temperature change on the freezing display panel. When the temperature is displayed  $\leq -5^{\circ}\text{C}$ , the ice pack can be loaded.



- This product is driven by solar power. As long as the solar power reaches some strength, the machine will be enabled. Maybe the products can run normally after you try to start it for many times.
- If weather is variable, the compressor will start and stop with the change of weather.
- Make sure to avoid connecting power supply which fails to meet the requirement.

### 13. Solar Panel Installation

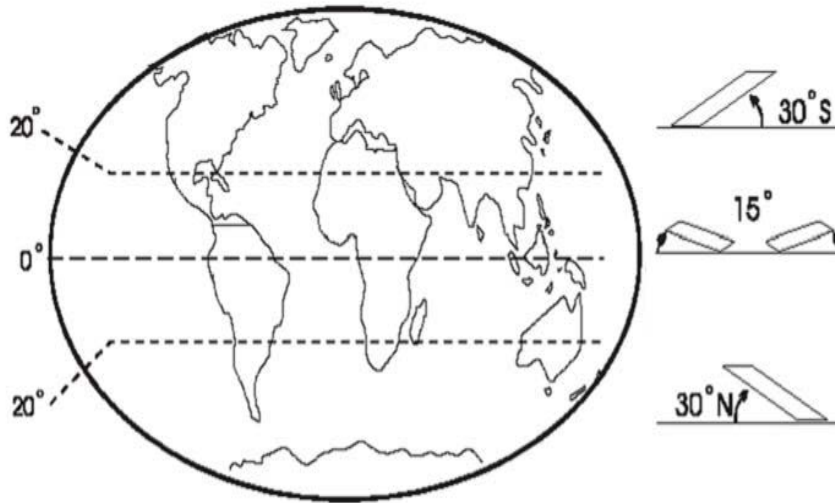
The solar panel shall be installed according to the following requirements

- The solar panel bracket shall be fixed on the solid and flat floor and also ensure the accessibility and safety of the maintenance personnel
- The solar panel shall be installed according to instructions of the supplier and fasteners provided or recommended by the supplier shall be used. Installation tools shall be used correctly
- Do not install the solar panel on a high building, tree or in other places where sunshine may be sheltered. Otherwise, the efficiency of the solar panel might be affected
- The solar panel is fragile and shall not be installed in the place where something may drop.

#### 14. Selection of Installation Position of Solar Panel

- The solar panel shall face towards the equator, i.e. towards south on the Northern Hemisphere or north on the Southern Hemisphere.
- The dip angle of the solar panel shall depend on the terrestrial latitude of the installation location.
- See the picture below for the general dip angle of the solar panel.

The front face of the solar panel shall be cleaned once per week or if necessary.



The solar panel shall be installed towards the equator if it is installed near the equator and the installation angle shall be from 10° to 15°, in order that rain can brush its surface.

## Initial power-on \_\_\_\_\_

Observe the rules below for initial start-up and continuous operation:

When the refrigerator is empty, connect the product to appropriate solar panel or power supply.



After power-on, the audible alarm may ring and this is normal. Press the buzzer to stop alarming. The audible alarm continues to operate until the temperature of sensor reaches appropriate scope.



The product parameters have been preset in the factory; it is not required to set again.



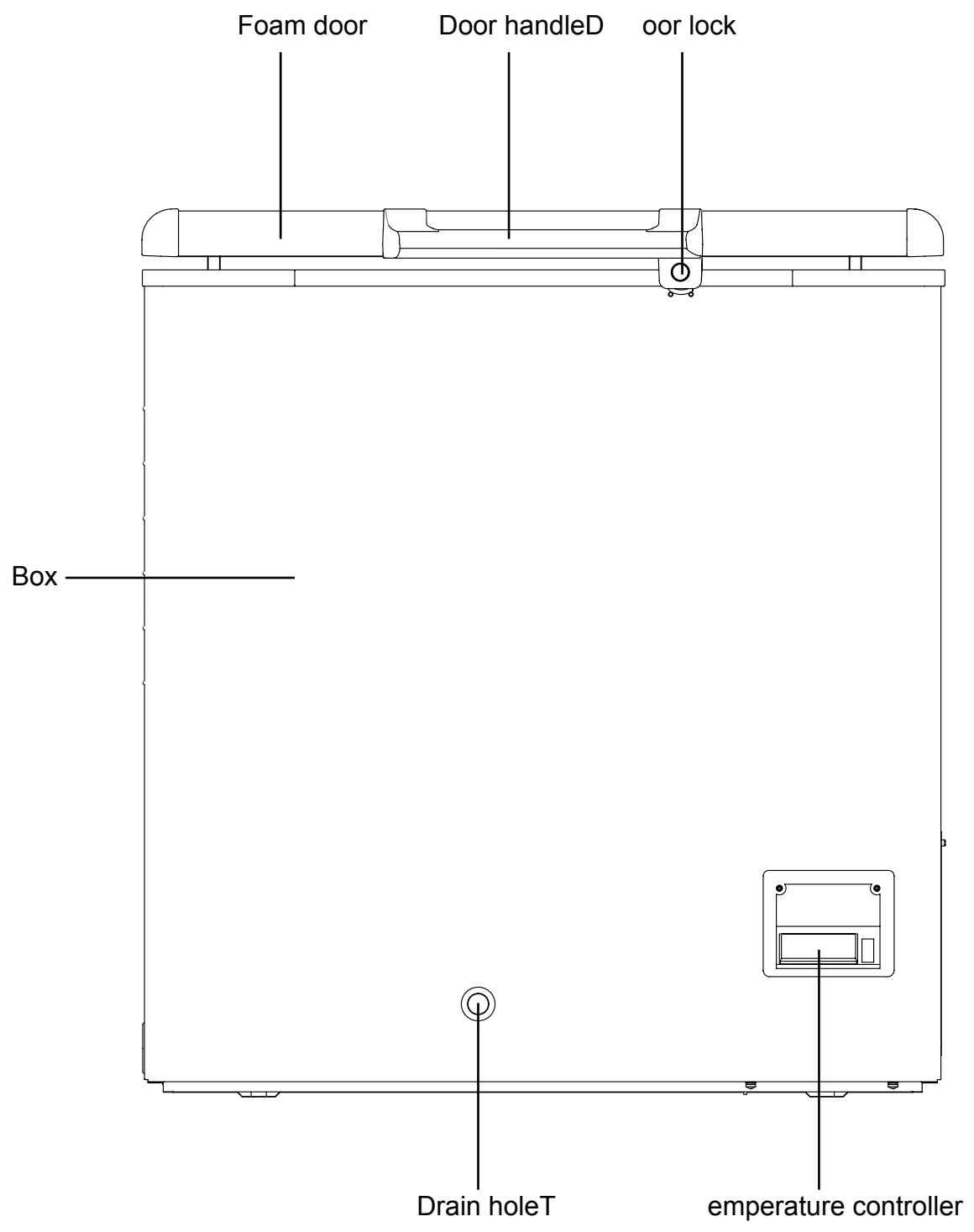
Generally, the product temperature will reach the appropriate scope after one week of operation.



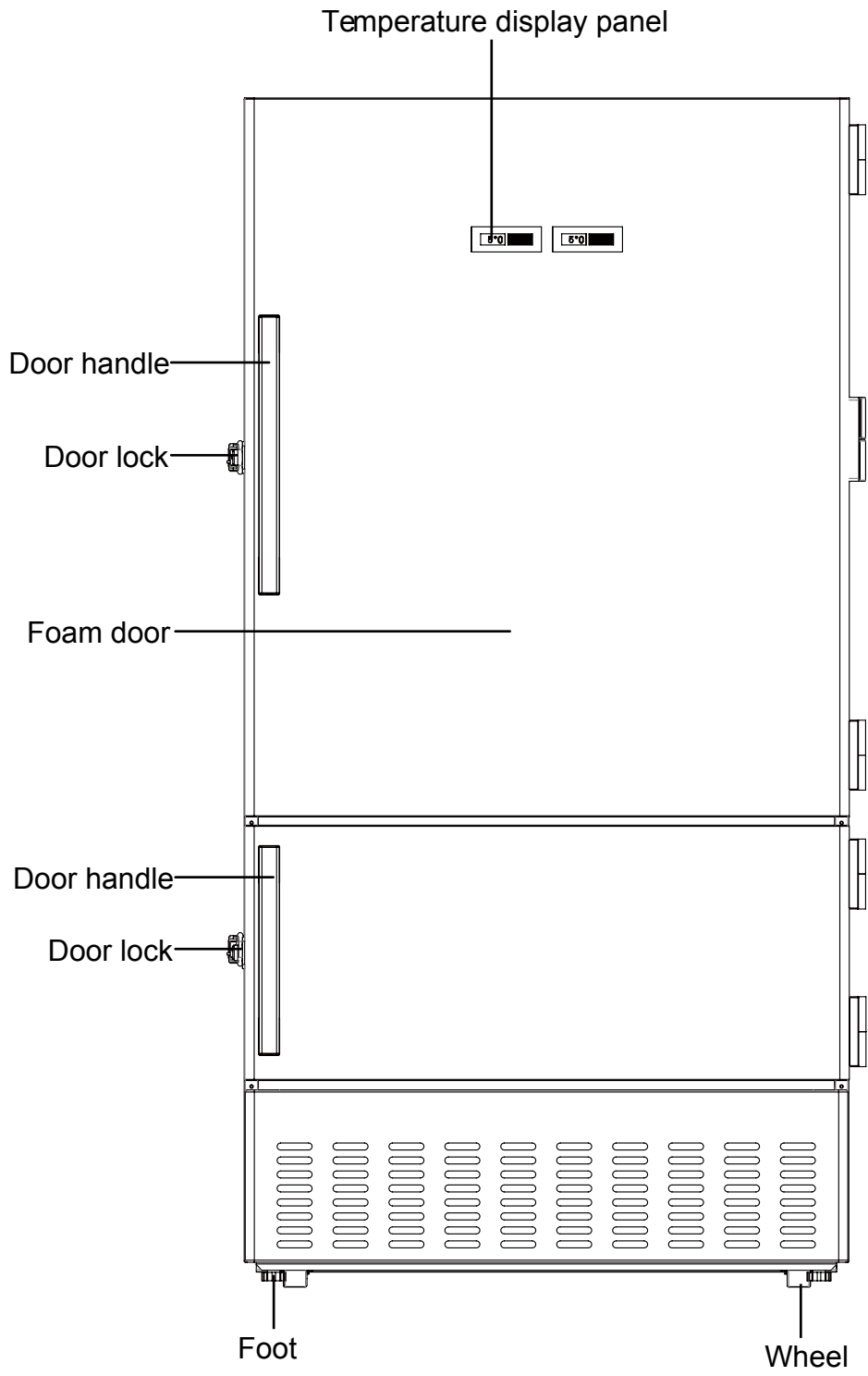
After operation status of the product is checked, put articles into the refrigerator.

## Component Names

HTC-60H



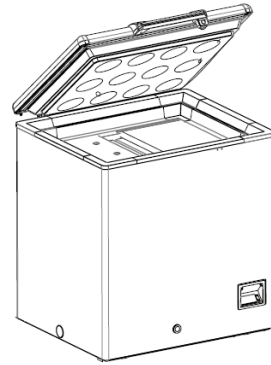
HTCD-160





# Solar Vaccine Refrigerator System

## 1. Solar Vaccine Refrigerator

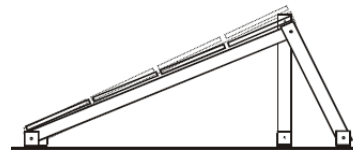


## 2. Solar Power Supply System (Optional)

- Solar panel



- Solar panel mounting bracket



- Ground rod, ground wire



- Wires connecting the solar panel and product

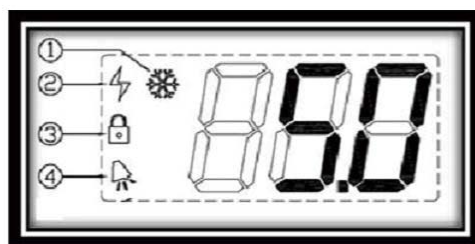


- Solar panel installation tool



The storage temperature in the vaccine preservation compartment is  $+2^{\circ}\text{C}\sim+8^{\circ}\text{C}$ ; the storage temperature in the ice pack freezing compartment is  $\leq-5^{\circ}\text{C}$ . The water box in the vaccine compartment plays a role in stabilizing the temperature in the refrigerator, and it is forbidden to take away or use it for other purposes in the using process.

## Refrigerating Compartment Controller (applicable for HTC-60H)



- Display panel introduction

Refrigerating/heating indicator: During refrigerating output, this sign turns on; during heating output, this sign flickers;

Power indicator: When the output power of the temperature controller is lower than 8.5VDC, this sign flickers and alarms. When the external power supply is higher than 8.9VDC, this sign displays.

Locking indicator: When the temperature controller is locked, this sign displays.

Alarm indicator: When the controller alarms, this sign flickers to remind the user.

The indicator is supplied with power by the internal auxiliary battery. When the capacity of the auxiliary battery is low, the indicator may fail to display clearly or may not display.

- Menu Description

Parameters	Description	Min.	Max.	Unit	Default
PS	Password of visit management menu	-	-	-	-
AH1	Temperature for high temperature alarm	AL1+0.1	80.0	°C	8
AL1	Temperature for low temperature alarm	-45	AH1-0.1	°C	2
AH2	Temperature for high temperature alarm	-	-	-	-
AL2	Temperature for low temperature alarm	-	-	-	-

Note: PS, AH2 and AL2 have been adjusted and locked and do not need to adjust further.

- Temperature for high temperature alarm of AH1 sensor:

When the measured temperature is higher than the set value of AH1, the refrigerator makes a high temperature alarm.

- Temperature for low temperature alarm of AL1 sensor:

When the measured temperature is lower than the set value of AL1, the product makes a low temperature alarm.

- Parameter Setup

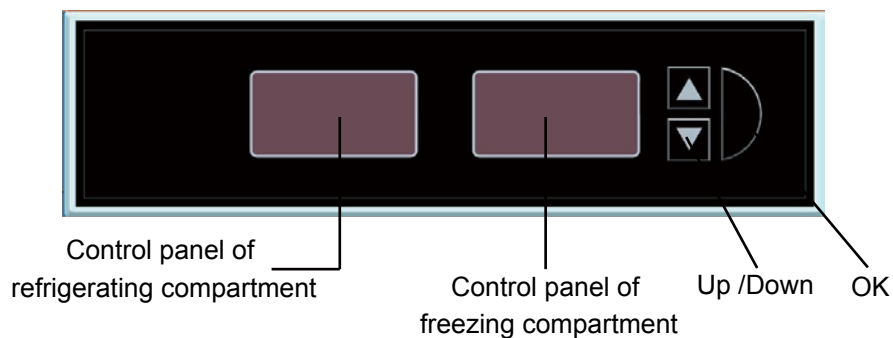
The user can adjust high temperature alarm AH1 and low temperature alarm AL1 only. The operation procedure is described below:

1. Press the key SET for 3s. Then, the parameter code “PS” (password) is displayed on the display panel;
2. Use “△” and “ ” to turn parameter names;
3. Press the key SET to display the relevant parameter;
4. Press “△” or “ ” to increase or decrease the value;
5. Press SET to confirm the changed parameter and return to display the parameter;
6. Repeat 2~5 if you want to change other parameters.
7. Press SET over 3s, save the changed parameter and exit the parameter setup procedure.

- Alarm Function Introduction

Alarm code	Sign description	Troubleshooting
Er1	Sensor failure alarm	Contact the after-sales service personnel to check the failure of the sensor.
AH1	High temperature alarm	<ol style="list-style-type: none"> <li>1. Check if the door cover is sealed completely;</li> <li>2. In the high temperature environment, check if the compressor works properly under the normal power supply condition.</li> <li>3. In the low temperature environment, check if the electronic temperature controller has a failure.</li> </ol>
AL1	Low temperature alarm	<ol style="list-style-type: none"> <li>1. Check if the ambient temperature is too low;</li> <li>2. Check if the heating wire is damaged or the temperature controller has a failure.</li> </ol>

Refrigerating and Freezing Compartment Controller (applicable for HTCD-160)



The controller shall be installed in the front compartment for controlling the compressor and fan. Parameters have been set well before the product is delivered. The product does not support the parameter change by the user.

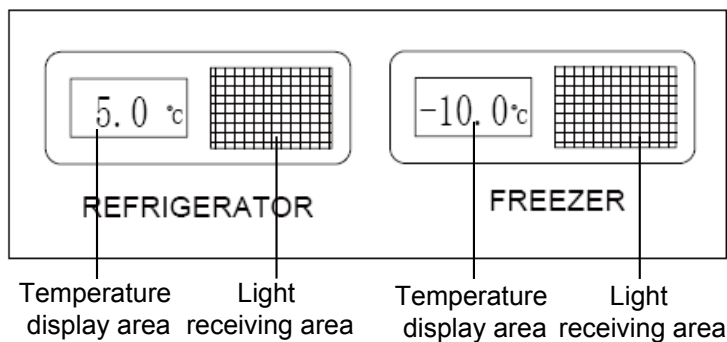
- Alarm Function Introduction (only for after-sales service)

Display Code	Code Description	Display Code	Code Description
Er11	Ice storage sensor failure	AL1	Ice storage low temperature alarm
Er2	Refrigerating sensor failure	AH2	Refrigerating high temperature alarm
Er3	Freezing sensor failure	AL2	Refrigerating low temperature alarm
Er4	Ambient temperature sensor failure	AH3	Freezing high temperature alarm
AH1	Ice storage high temperature alarm	AL3	Freezing low temperature alarm



The buzzer alarms when any sign above appears. After any key is pressed, the alarm will disappear. After a period of time delay, the alarm appears again. The alarm will be cleared unless the failure is troubleshot.

Temperature display panel introduction (applicable for HTCD-160 only)



REFRIGERATOR---It displays the temperature in the area where vaccine is placed.

FREEZER---It displays the temperature in the freezing area of the ice pack (lower storage compartment).

This display panel is equipped with the solar power supply and needs no additional circuit connection. It only displays the temperature in the refrigerator but does not control the temperature of the cooling system of the product.

The solar power receiving area shall not be sheltered in the using process. Otherwise, the display panel does not work.

Functions of the USB 2.0 charge jack (applicable for HTCD-160 only)

With its output voltage being 5V and its current being 600mA, the USB 2.0 jack can only be used to charge devices that meet these parameters. Please try to charge under strong light, so as not to affect the power supply of the vaccine storage bin.



USB 2.0 charge jack

## Component Cleaning



Warning

- Before cleaning the product, turn off the main switch and cut off the power supply.
- The detergent for cleaning the product must be distilled. Otherwise, plastic parts or the casing surface color will be changed.
- If you want to stop using the product for a long time, the switch shall be off and the power supply shall be cut off and also the refrigerator shall be emptied.

### Daily maintenance

- A temperature display panel or recorder, etc. collects and records the temperature in the refrigerator in the morning and in the evening respectively;
- For a horizontal product, please check and ensure the inner cover of its internal ice storage compartment and the water box above its vaccine area are placed properly in order to avoid cold air leakage.
- Mop surroundings of the refrigerator liner to avoid that the liner is corroded by leaked drugs or other liquid;
- If the product contains a freezing compartment, frosts beyond 5mm thick around the liner of the freezing compartment shall be cleaned in time. Otherwise, too many frosts will affect its refrigerating performance;

### Monthly Maintenance

- Remove dust from the grille, condenser fan and compressor bottom plate of the refrigerator to avoid affecting the heat dissipation effect;
- Mop sealing strips of the door to avoid dirt affects the door sealing performance.
- Use a piece of dry cloth to remove dust on the product casing and in its internal space. If the product is very dirty, use the cloth immersed with neutral detergent to remove dirt and then use a piece of wet cloth to remove the detergent residual, and finally use another piece of dry cloth to dry it.
- Clean the condenser to avoid dust accumulation and affecting heat dissipation;

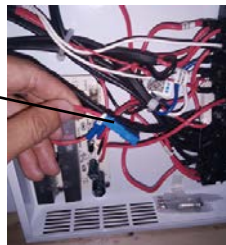
## Solar Panel Maintenance

- Remove dust from the solar panel once per week or according to the actual demand.
- After the product is installed, tighten all screws again two weeks later; then, tighten them once per year afterwards.
- In order to avoid hidden hazards like fire, electrical connection and elements shall be checked and cleaned at least once per year. They shall be cleaned more frequently if necessary.

## Auxiliary Battery (if any) Maintenance Procedures

- If the product is equipped with an auxiliary battery, make sure to connect all circuit terminals for battery connection before use. (This circuit terminal is blue in the electric control cabinet)

Battery Circuit Terminal



- When you change the battery, make sure to connect the cathode and anode of the battery correctly and use a storage battery with the same specification.  
Battery specification: 10Ah/12V; can remain 80% capacity after being charged and discharging for 1000 cycles.



Caution

The new battery shall have the charge and discharge protection circuit.

## About Product Scrapping Treatment



The sign can be found on products, packages and documents delivered together with the products. It means the used electronic and electrical products and batteries shall not be mixed with household waste. In order to process, recycle and reuse old products and old batteries reasonably, please deliver them to the specified recycling place according to relevant national regulations of the country where the product is used and Decree 2002/96/EC & 2006/66/EC.

The reasonable treatment of these products and batteries aims at reserving useful resources, preventing from their damage to human health and the environment and also avoiding disastrous effects resulting from their improper treatment.

Please contact the local governmental authority, waste treatment center or the dealer from which you buy the product for more information about product and battery recycling.

According to the national regulation, the improper treatment of these wastes might be punished.

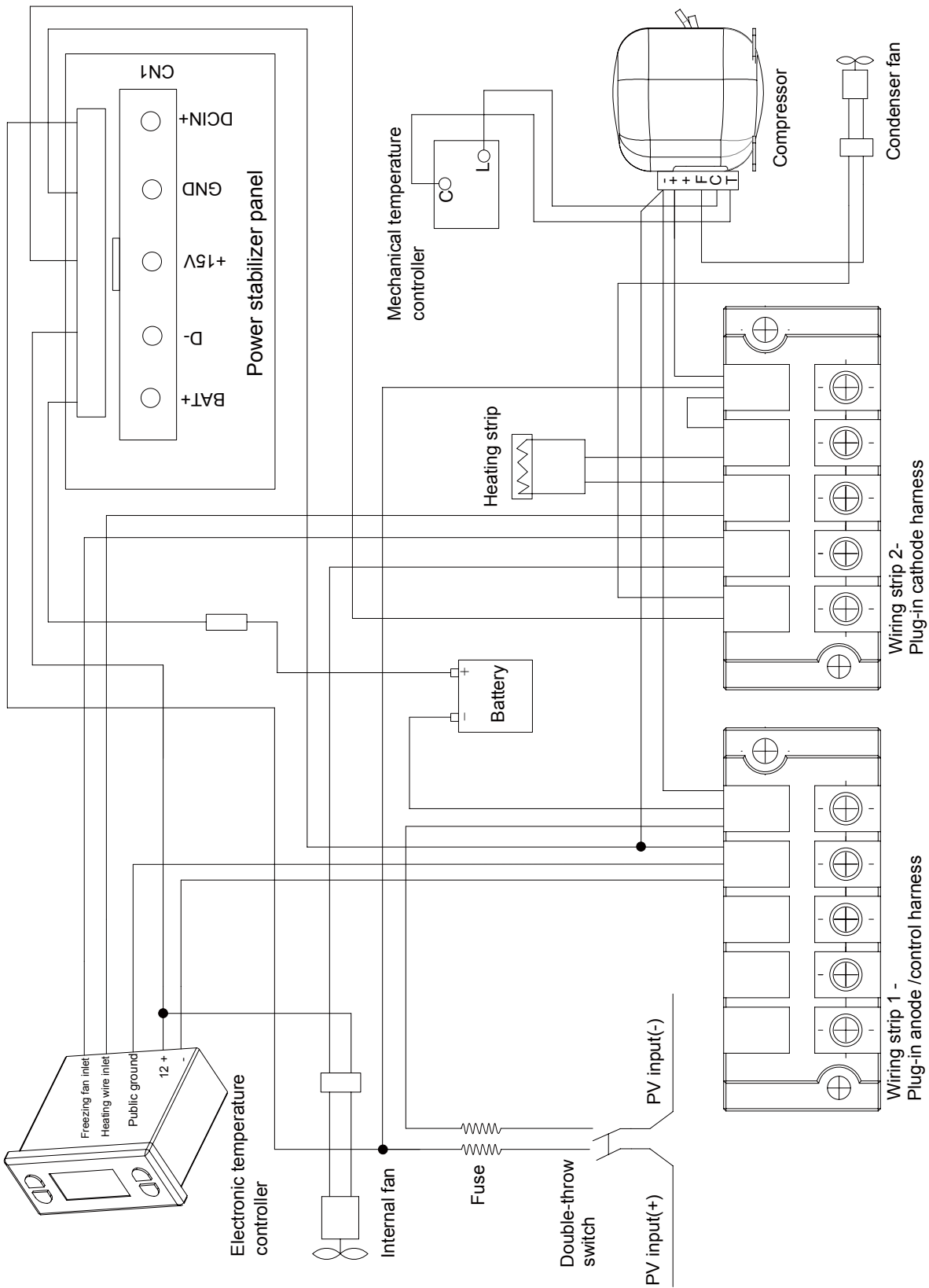
- For EU commercial users:

Please contact the wholesaler or supplier for more information if you want to disassemble electrical and electronic equipment.

- [About the treatment of these wastes in other countries except EU]

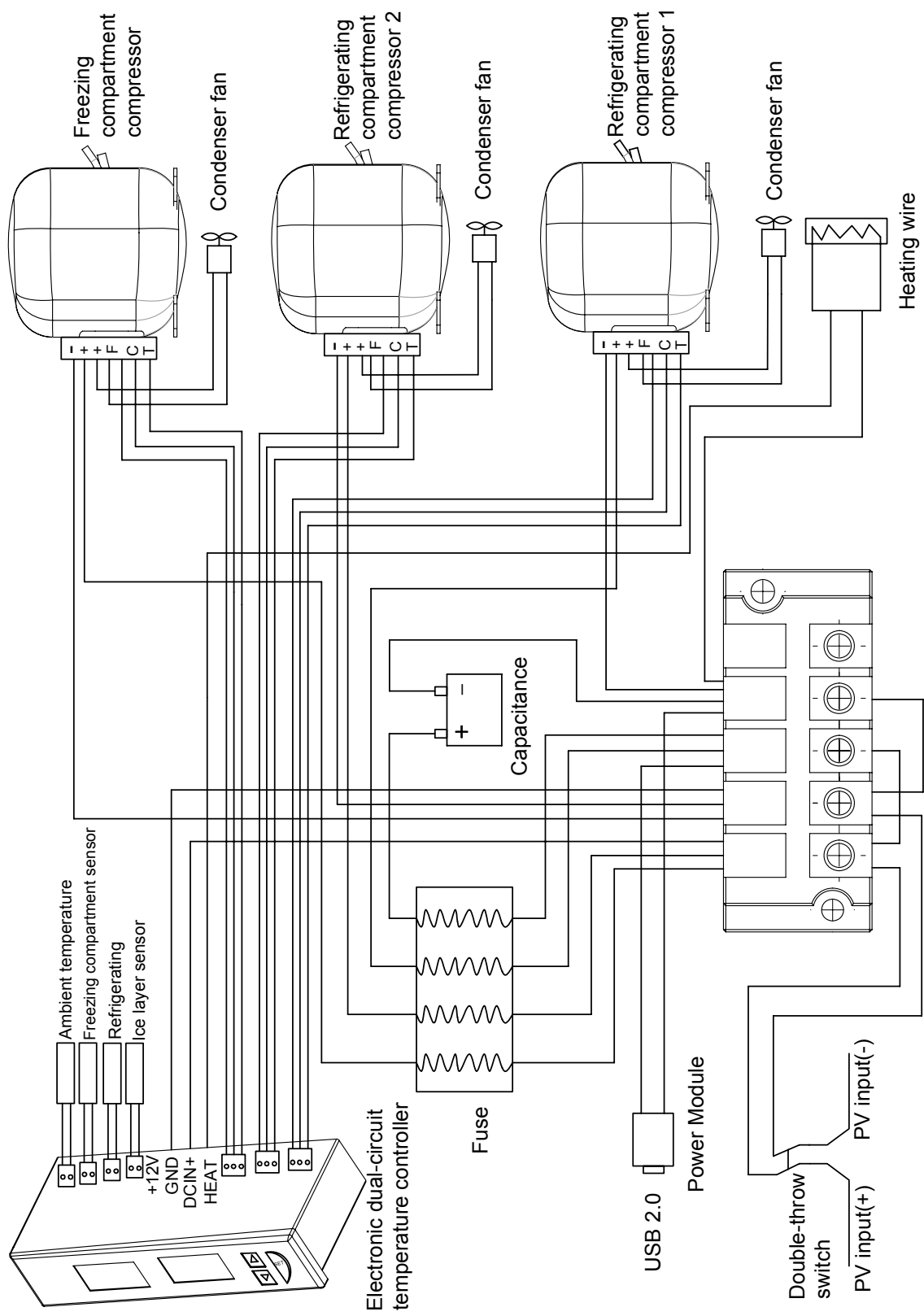
These signs are valid in EU only. If you want to disassemble the product, please contact your local governmental authority or dealer for the correct method.

## Circuit Diagram ( HTC-60H )





# Circuit Diagram ( HTCD-160 )



## Specification

At a solar radiation reference period of : 3.5kWh/m<sup>2</sup>/day.

Name Parameter	Solar Vaccine Refrigerator	
	HTC-60H	HTCD-160
Ambient temperature(°C)	+5 - +43	+5 - +43
Refrigerating ambient temperature range (°C)	+2 - +8	+2 - +8
Freezing ambient temperature range (°C)	/	≤-5
Gross refrigerating volume (L)	60	120
Vaccine storage volume (L)	21	100
Ice pack freezing volume (L)	/	40
Ice pack freezing capacity (kg/24h)	/	2.08
Ice pack storage capacity (kg)	/	10.68
Refrigerant (g)	45	3×45
Rated voltage (V)	12	24
Rated power (W)	85	210
Auxiliary battery (Yes/No)	Yes	No
Overall dimensions (WxDxH) (mm)	788×654×875	865×825×1695
product weight (kg)	88	160
Solar panel power (W)	360	765

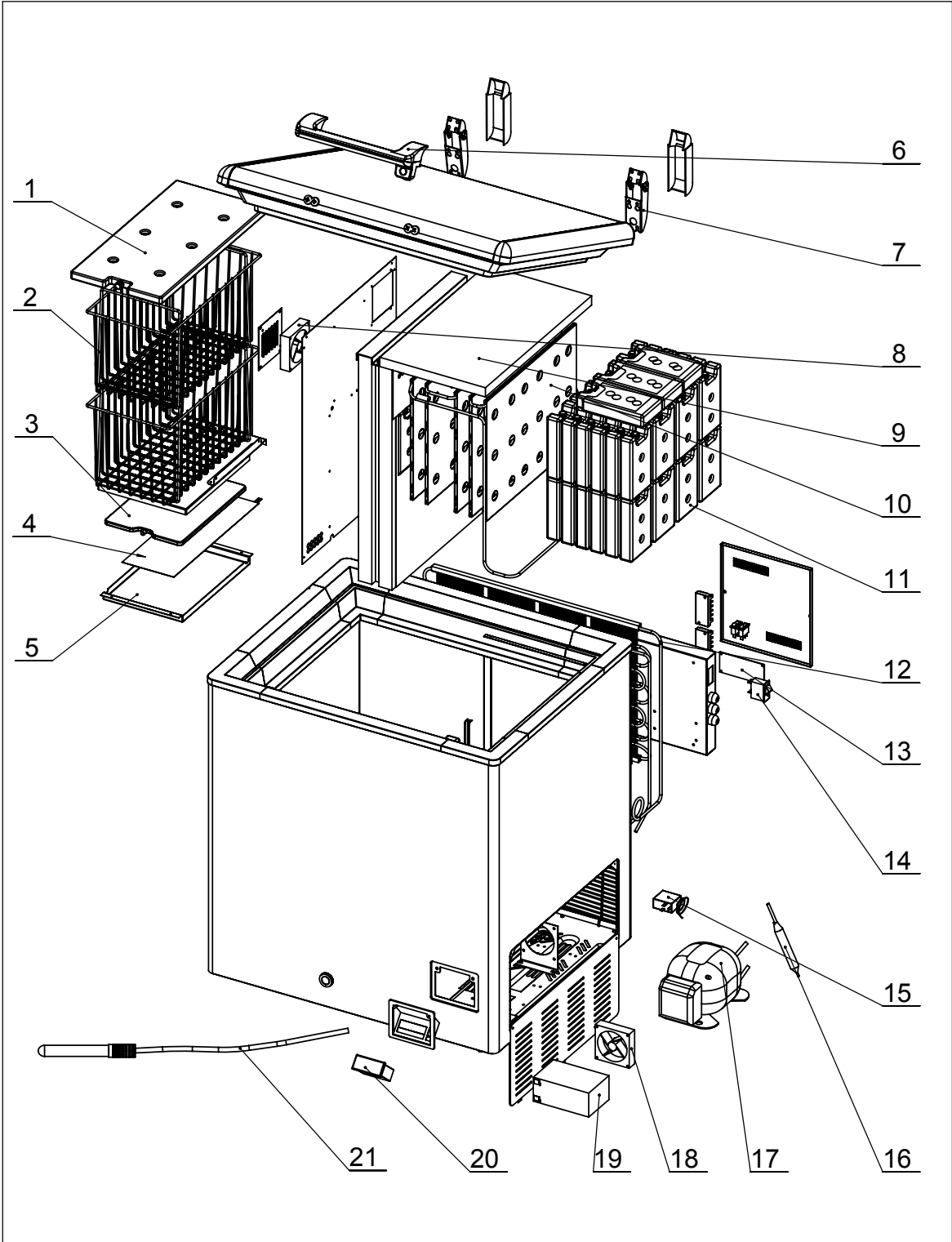
## Packing List

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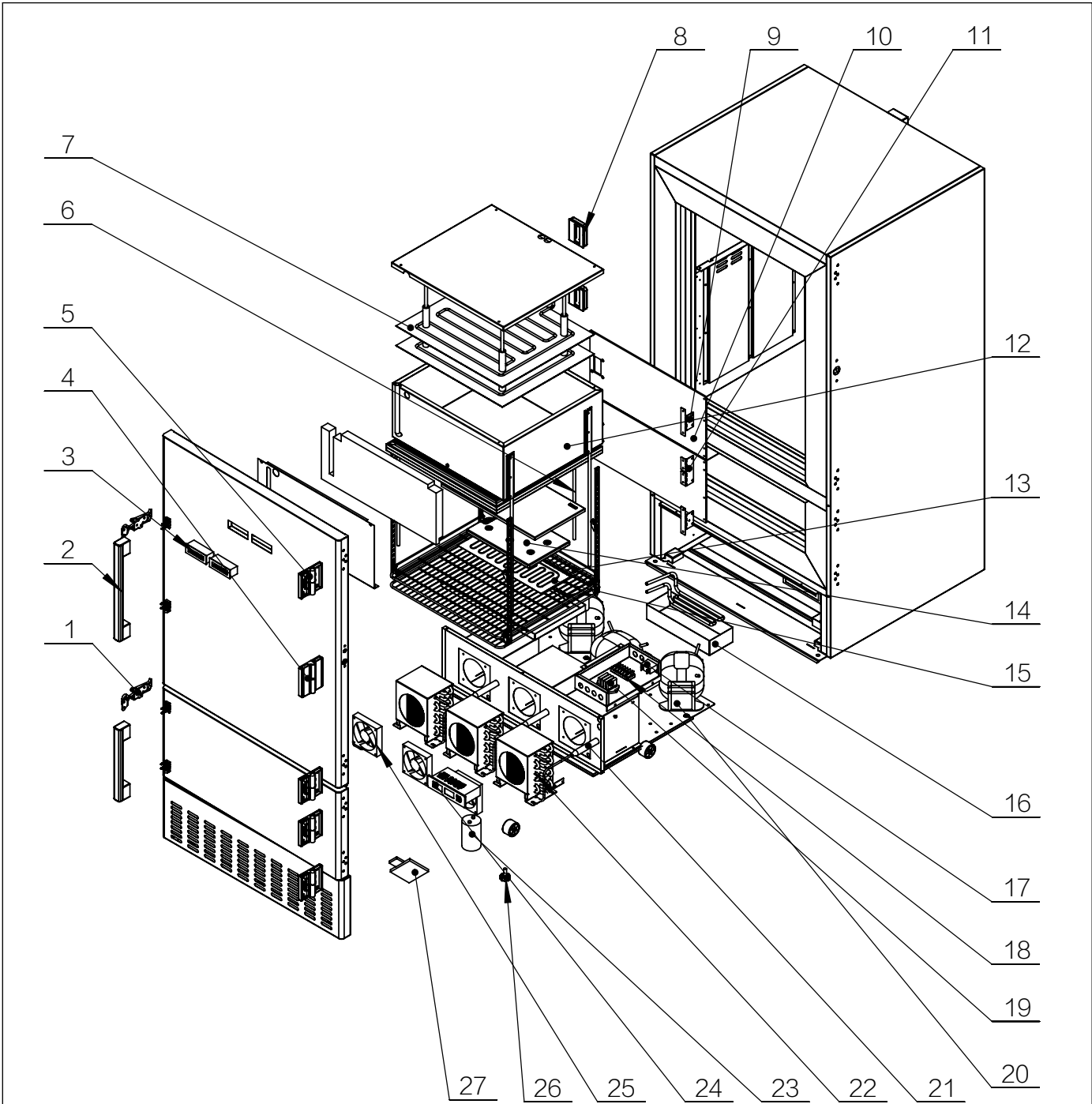
Part Name	HTC-60H	HTCD-160
Introduction Manual	1	1
Key	2	/
Handle component	/	2
Water injector	/	1
Antiseptic substance	/	1
Defrosting shovel	/	1


# Wearing Parts

HTC-60H



S/N	Part & Component Name	Model	Remarks
1	Upper ice box	0270200225	
2	Storage basket	0270100797	
3	Hot water accumulator	0270200780	
4	Heat strip	0270400367	
5	Box	0270102219A	
6	Door handle	0070814623	Including door lock
7	Door hinge	0070816334	
8	Internal fan	0074000329	
9	Insulation panel	0270200490	
10	Evaporator	0270700084	
11	Ice pack	0070203825	
12	Condenser	0270700395	
13	Computer panel	0271800027A	
14	Power switch	0274000354	
15	Machinery temperature controller	0074000154B	
16	Filter	0074180006	
17	Compressor	0274000118	Including compressor accessories (EBOX)
18	External fan	0074000329	
19	Assistant battery	0274000205	
20	Electronic temperature controller	0274000185	Excluding sensors
21	Sensor probe	0274000185A	



	28	Sensor of refrigerator	0274000358	Sensor of refrigeration control + sensor of display are inclusive
	29	Sensor of freezer	0274000357A	Sensor of freeze control + sensor of display are inclusive
	30	Ice layer sensor	0274000353	

S/N	Part & Component Name	Model	Remarks
1	Lock catch	0070106913	
2	Handle	0270801098	Lower handle (0270801098A)
3	Temperature display panel	0274000357	Excluding sensors
4	Fake hinge	0270200160	
5	Hinge	0070107087	
6	Heat conductor	0270700401A	
7	Evaporator	0270700400	Substratum evaporator (0270700400A)
8	Internal door handle	0070204110	
9	Upper hinge of internal door	0070106965A	
10	Internal door	0270200712	
11	Middle hinge of internal door	0070107180A	
12	Shelf support	0070201371	
13	Shelf	0270101953	
14	Hot water accumulator	0270200780	
15	Heat strip	0270400367	
16	Water receiver	0070301490	
17	Switch	0274000354	
18	Connector bar	0274300007	
19	Fuse holder	0274000355	
20	Compressor	0274000118A	Including compressor accessories (EBOX)
21	Filter	0060703262	
22	Condenser	0060702951A	
23	Capacity	0274000356	
24	Electronic temperature controller	0274000352	Ambient-temperature sensor is inclusive
25	Condensate fan	0274000351	
26	Foot	0070101405	
27	USB 2.0 power module	0274000389	
28	Sensor of refrigerator	0274000358	Sensor of refrigeration control + sensor of display are inclusive
29	Sensor of freezer	0274000357A	Sensor of freeze control + sensor of display are inclusive
30	Ice layer sensor	0274000353	

Certificate of Quality

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checker:

**Manufacturer: Haier Medical and Laboratory Products Co., Ltd.**

**Address: Haier Industrial Park, Economic Technology Development  
Zone. Qingdao 266510.P.R.China**

**Web:www.haiermedical.com**

**Version:1st,2016**

**Dedicated code:0270501122**

**V13026**