

## ***Leading brand of parking air conditioner***

### **Warranty:**

1. Within one month from the day the product is sold. If a performance failure occurs, the product itself and the packaging must be complete, without scratches, and the same type of product can be replaced (subject to inspection), but does not include man-made damage.

2. The product is guaranteed for one year from the date of sale.

3. The warranty service is only valid under normal use.

4. All man-made damage, self-demolition, unsealing the label, improper use and other damage are not covered by the warranty. This card must be provided during the warranty. Failure to provide this card or alter this card without permission, the company has the right to reject the warranty service.

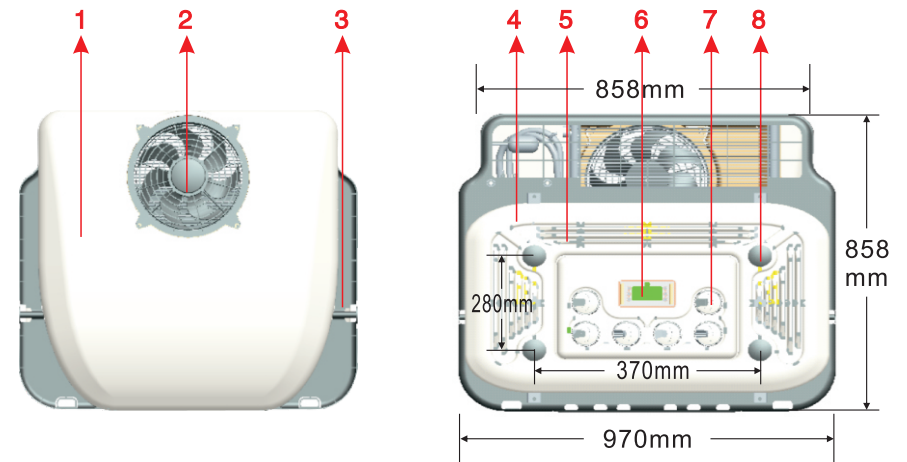
5. The final interpretation and modification rights of this warranty card belong to the company

## ***Instructions for parking air conditioner***



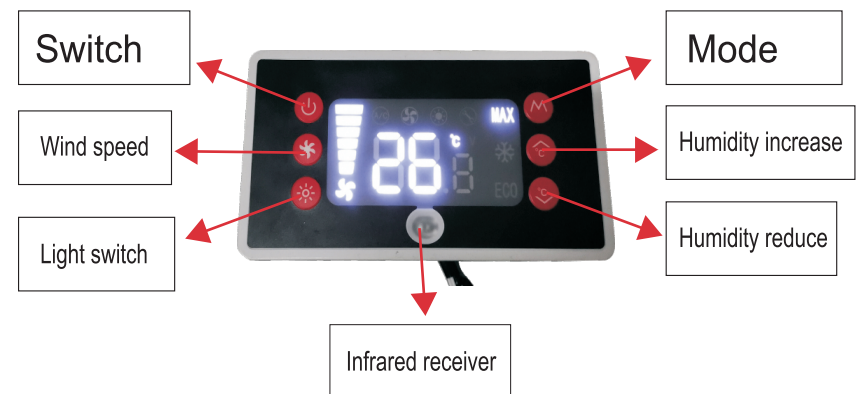
***Attention: Please read carefully before using the Integrated air conditioner  
Instruction manual or contact factory for professional consultation***

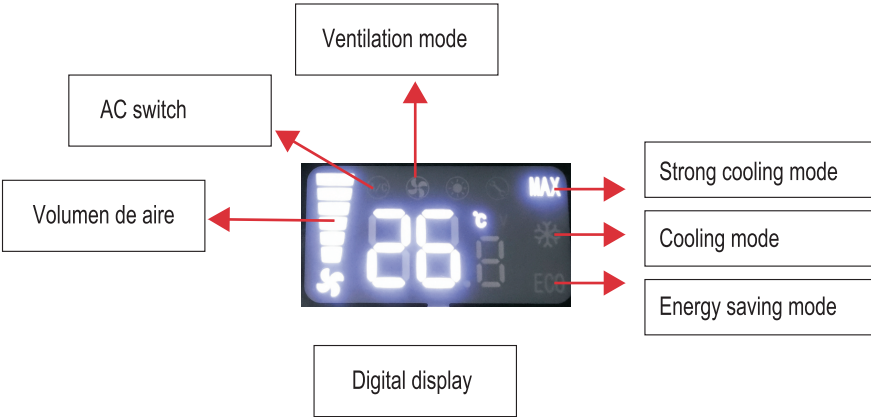
## Leading brand of parking air conditioner



1. Machine assembly cover   2. Condenser fan   3. Machine floor  
4. Skylight decorative panel   5. Inlet   6. Switch   7. Air outlet   8. Light

## Control panel introduction

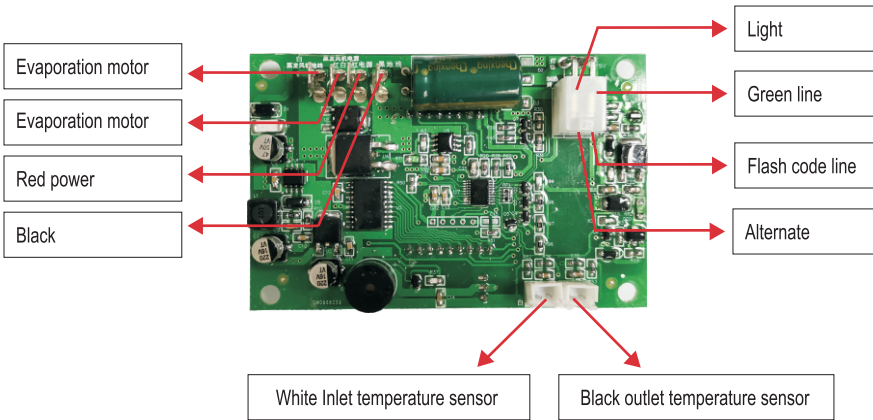




Function introduction

1. After pressing switch button, , the air conditioner panel is turned on, and then pressed again to shut down.
2. Wind speed button: When the wind speed button is pressed, the wind speed gear will switch at 16 speeds.
3. Mode button: In the power-on state, short press ① button to switch between three modes: dynamic, cooling and energy saving. The indication on the nixie tube is used to indicate the corresponding working mode; after long pressing ② for 6 seconds, the nixie tube display value switches to the current electrical voltage value; Without pressing the button, the normal display interface will automatically exit after 6 seconds.
4. When the nixie tube works normally, the displayed temperature is the set temperature; Pressing the plus and minus keys will increase or decrease the set temperature; Humidity controller set temperature range 5-40 degrees; After long pressing ↑ for 6 seconds, the digital display tube display value switches to the air inlet temperature: After pressing and holding ↓ for 6 seconds, the digital tube displays the value as the outlet temperature; No key press, after 6 seconds, white motion exits the normal display interface
5. Frequency conversion indicator: When the balance is charged, this light is on, indicating that the frequency of the frequency line is voltage.
6. Flash code indicator: Press the flash code line of the controller to facilitate the direct viewing of Code informationr on the panel

Main board outlet port and wiring harness color function introduction



Digital display	Fault description	Elimination method
E2	Current protection	Check if the pressure is too high and the fan is running
E3	Stall protection	Low battery or too much pressure
E4/LU	Undervoltage protection	The battery is too low and needs to be charged
E6	Condensation fan failure	Short circuit of motor, poor contact of plug
E7	Motor phase loss	Compressor terminals burn out or compressor short circuit
E9/PER	Pressure switch protection	Whether the pressure is normal or the switch is damaged

LU	Low voltage	
OPE	Open temperature sensor	Check if the plug is disconnected or the wire is broken
SHr	Temperature sensor short circuit	Replace the temperature sensor
AC	Cooling failure	Check whether the system refrigerant is lacking, whether the compressor electronic fan works
CS	Defrost	

**Attention:**  
Refrigeration failure means that the temperature difference between the air inlet and the air outlet is less than 5 °c and more than 3 minutes, the air conditioning cooling has no effect,At this time, turn off the compressor and evaporator fan. Clear the fault after restarting.  
Defrosting temperature: The temperature of the air outlet is lower than 2 degrees and the compressor is stopped. When the temperature is above 6 degrees, the defrost is exited and the normal working mode is used.

Low voltage fault control logic

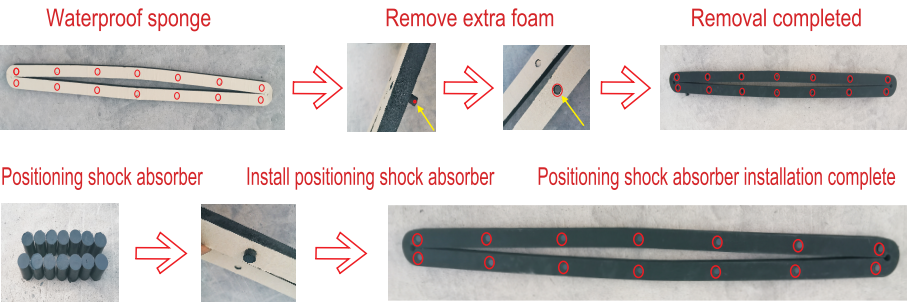
The undervoltage voltage value can be adjusted, and the adjustment range is between 9-28V. When the battery voltage is lower than the under-voltage protection voltage value, the entire air-conditioning system stops working, and the panel will display the "LU" character. After powering off and on again, clear the undervoltage alarm.  
Adjustment steps of undervoltage protection value:In the power-on state, press and hold the button for 6 seconds to enter the undervoltage protection adjustment interface. At this time, the value flashing on the panel is the undervoltage protection value. The third small digital tube displays the decimal value. The functions of the °C key and the °F key respectively become Voltage plus and minus, each time you press down or add 0.1V. Press the key to complete the setting. If no key is pressed for 6 seconds, it will automatically exit the undervoltage protection adjustment interface.

Basic parameters of air conditioner

Model	T2000-24V	T2000-12V	Refrigeration	R134a
Rated voltage	DC24V	DC12V	Frozen oil	RH68
Evaporating air volume	600m³/h	550m³/h	Wheater	T1
Condensation air volume	2200m³/h	2000m³/h	Size	970x858x150mm
Rated electric power	850W	700W	Min hole size	320x640mm

Installatiion

- ① Remove the original sunroof
  - ② Fix waterproof strip
- 1、 Take out the waterproof strip and remove the excess foam cotton





### ③ Fix waterproof strip

- 1.Clean all around the skylight
3. Paste waterproof strip

- 2.Pull the waterproof strip into a square



### ④ Host fixed



### Installation

- 1.Host debugging centered (Figure 1)
- 2.The condenser of the main unit needs to dissipate heat, and keep the height above 25mm for smooth ventilation (Figure 2)
- 3.The positioning of the lining to the edge of the skylight (Figure 3)
- 4.Install the left and right positioning plates (Figure 4)
- 5.Tighten the four fixing screws not more than 15nm (Figure 5)
- 6.Install the skylight decorative panel lighting (Figure 6)
- 7.After the host is fixed, turn on the power to debug the machine

### Reminder! ! !

(It is forbidden to modify or reduce the installation of waterproof glue and positioning damping glue)

In order for your car's air conditioning system to achieve the best operating state, the system must be installed with positioning shock absorber

- 1.The rubber pad has shock absorption and noise reduction effect on the air conditioning system
- 2.The parallel positioning of the whole machine makes the bottom plate not easy to deform
- 3.The height of the condenser air inlet is restricted, the air inlet is smoother and the heat is better

## Disclaimer

1. Our company provides installation video and installation instructions, users must strictly follow the video and installation instructions. If the user fails to install in accordance with the provided installation video and manual, human failure or damage and other accidents will be borne by the user. The user will be responsible for the maintenance and material costs, and we will not bear any responsibility.
2. The user must pay attention to safety issues during the installation process. If personal safety problems occur, the user shall bear the responsibility.
3. If the user transforms the air-conditioning equipment without authorization, and replace the parts that are not from the original manufacturer to cause damage to the air-conditioning equipment and personal safety issues, the user shall bear the responsibility, and our company shall not bear any responsibility.
4. The user agrees to this disclaimer after purchasing the product.

## Outdoor unit controller wiring diagram

