



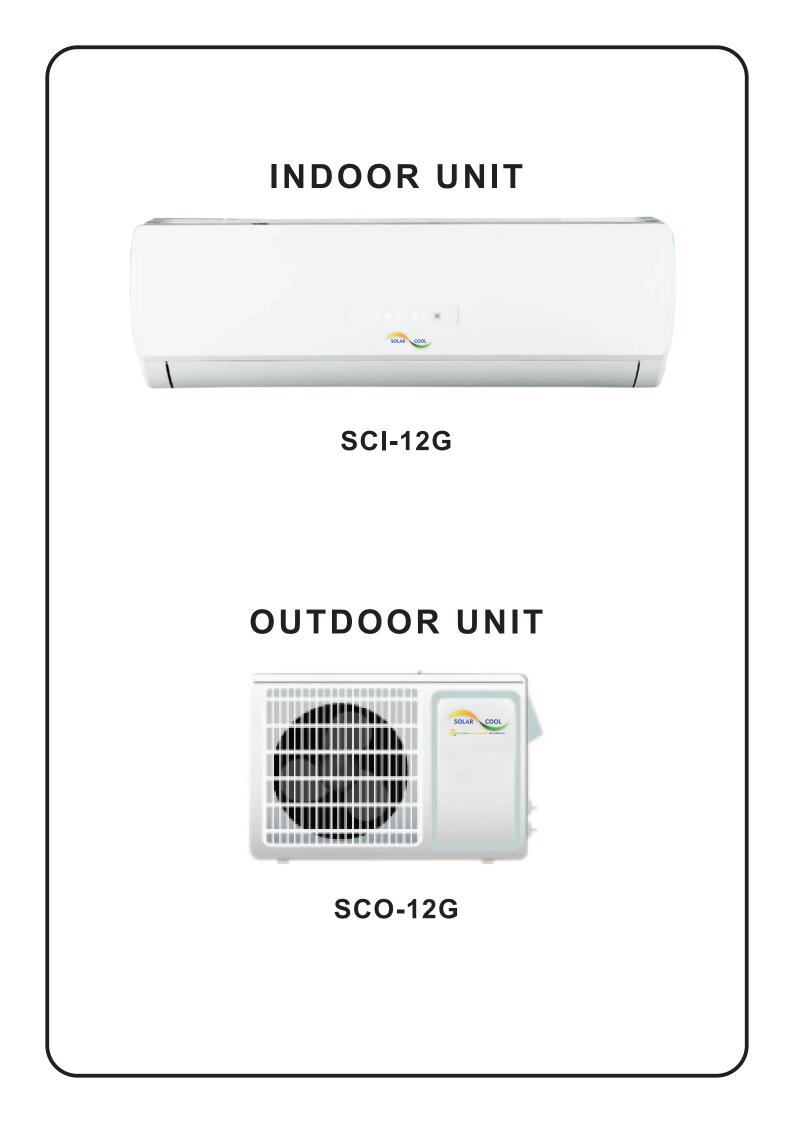
Solar Air Conditioner

OWNER'S MANUAL

SC AIR CONDITIONERS



Thank you for selecting Solar Cool air conditioner. Please read this manual carefully before operation and keep it for further reference.





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Installation and Maintenance of Healthy Filter
This symbol stands for the items This symbol stands for the items should be forbidden.

The products in this manual may be different with the real one, according to different models, some models have displayer and some models without displayer, the position and shape of the displayer please refer to the real one.

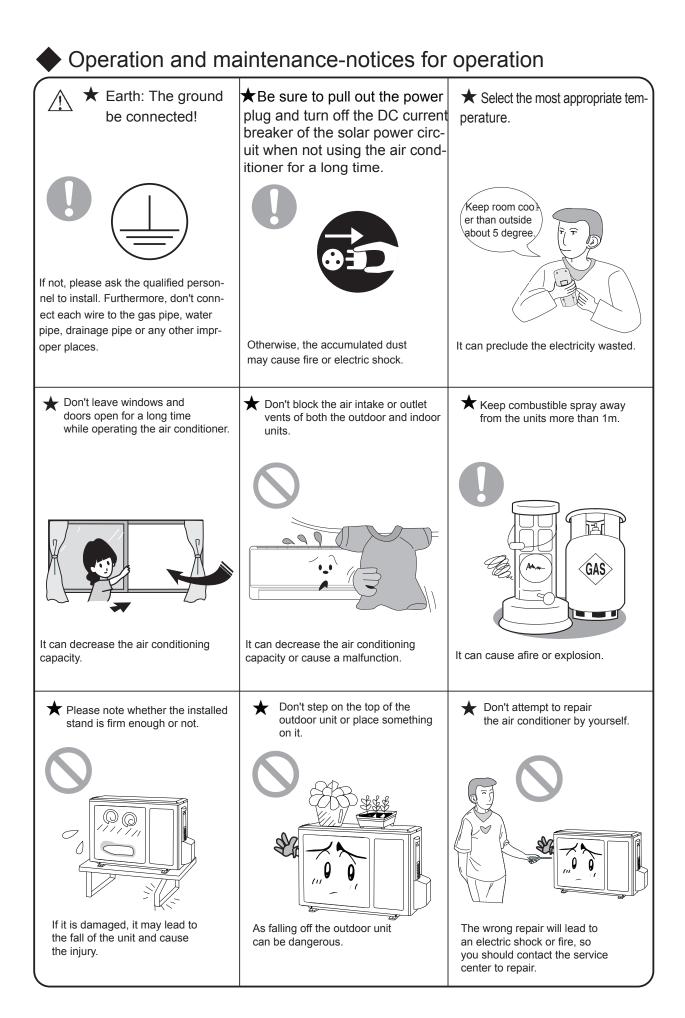
This appliance is not intended for use by persons (including children) with reduced physiced, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person reponsible for their safety.

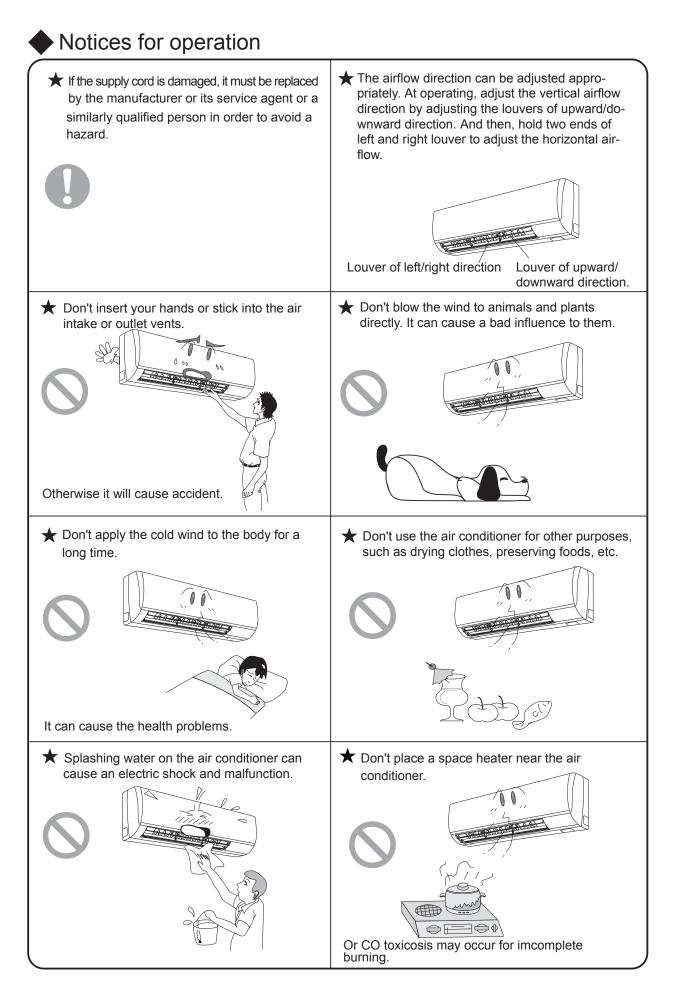
Children should be supervised to ensure that they do not play with the appliance.



Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

Image shown in this operating instruction manual here is indicative only. Actual product you receive may differ!





Notices for use

Working principle and special functions for cooling

Principle:

Air conditioner absorbs heat in the room and transmit to outdoor and discharged, so that indoor ambient temperature decreased, its cooling capacity will increase or decrease by outdoor ambient temperature.

Anti-freezing function:

If the unit is running in COOL mode and in low temperature, there will be frost formed on the heat exchanger, when indoor heat exchanger temperature decreased below 32°F, the indoor unit microcomputer will stop compressor running and protect the unit.

Working principle and special functions for heating

Principle:

- * Air conditioner absorbs heat from outdoor and transmits to indoor, in this way to increase room temperature. This is the heat pump heating principle, its heating capacity will be reduced due to outdoor temperature decrease.
- * If outdoor temperature becomes very low, please operate with other heating equipments.

Defrosting:

- * When outdoor temperature is low but high humidity, after a long while running, frost will form on outdoor unit, that will effect the heating effect, at this time, the auto defrosting function will act, the heat running will stop for 8-10mins.
- * During the auto defrosting, the fan motors of indoor unit and outdoor unit will stop.
- * During the defrosting, the indoor indicator flashes, the outdoor unit may emit vapor. This is due to the defrosting, it isn't malfunction.
- * After defrosting finished, the heating will recover automatically.



Anti-cool wind function:

In "Heat" mode, under the following three kinds of state, if indoor heat exchanger doesn't arrive at certain temp., indoor fan will not act, in order to prevent cool wind blowing(within 2 mins):

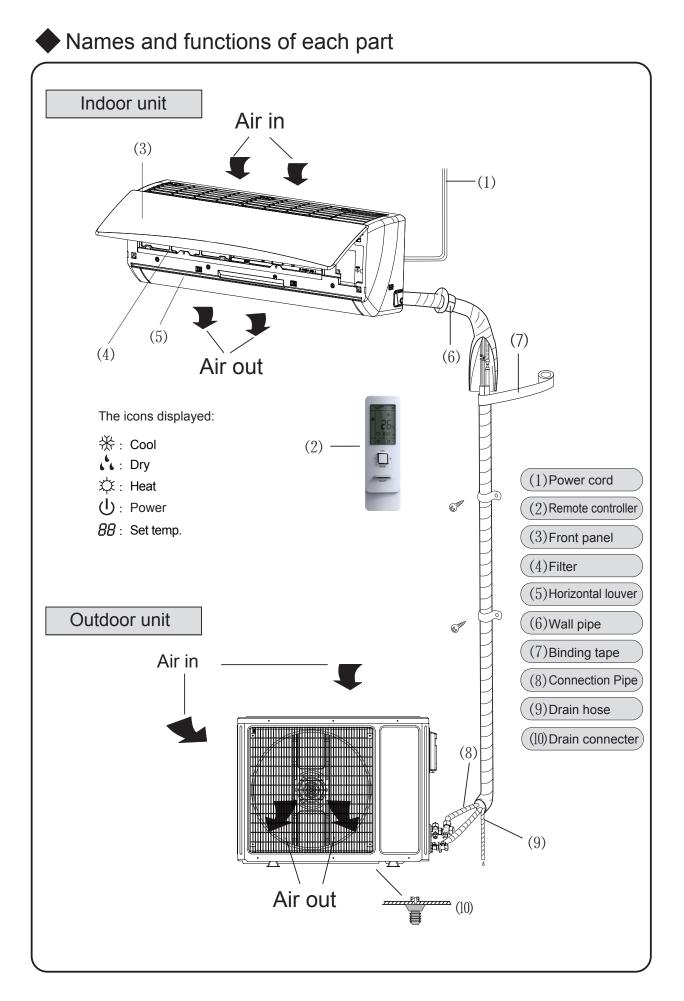
1. Heating starts. 2. After Auto Defrost finished. 3. Heating under the low temperature.

Introduction of DC solar power management

The out-door unit can handle DC solar power input besides AC power input. If the solar power device (poly-crystalline solar panel for instance) were connected to out-door unit, the unit would preferentially consume the solar power. And the AC power would be synchronously consumed as complement. The rated voltage of DC solar power should be less than 165V and the rated current should be less than 10A.

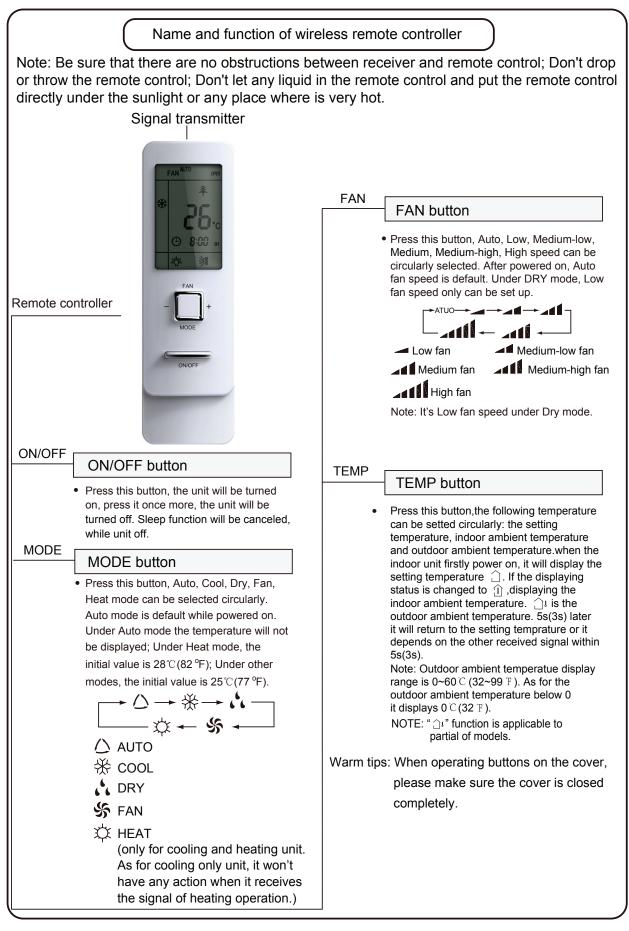
※ Working temperatur	e range	
	Indoor sideDB/WB(°C)	Outdoor sideDB/WB(°C)
Maximum cooling	32/23	43/26
Minimum cooling	21/15	21/-
Maximum heating	27/—	24/18
Minimum heating	20/—	-7/-

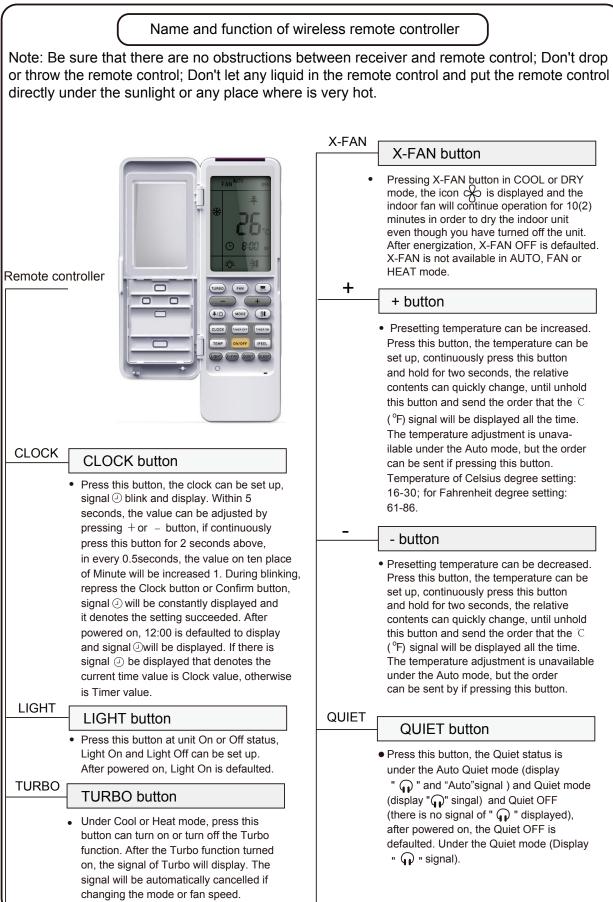
The operating temperature range (outdoor temperature) for cooling unit is $21^{\circ}C \sim 43^{\circ}C$; for cooling and heating unit is $-7^{\circ}C \sim 43^{\circ}C$.



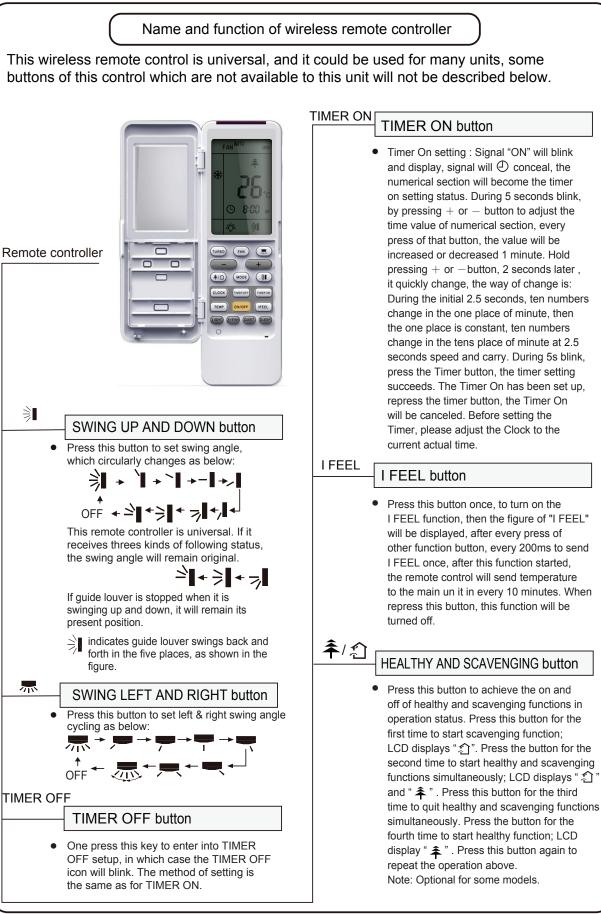
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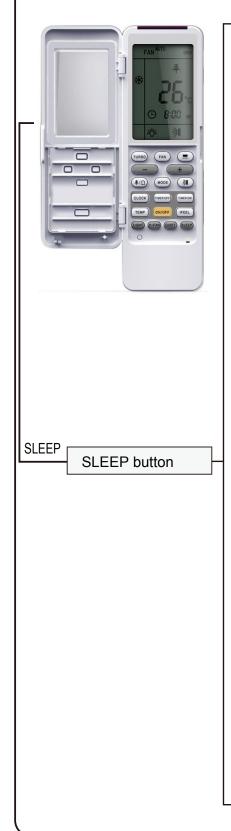








Name and function of wireless remote controller



- Press this button, can select Sleep 1 (1), Sleep 2 (2), Sleep 3 (3) and cancel the Sleep, circulate between these, after electrified, Sleep Cancel is defaulted.
- Sleep 1 is Sleep mode 1, in Cool, Dehumidify modes: sleep status after run for one hour, the main unit setting temperature will increase 1 °C,2 hours, setting temperature increased 2 °C, the unit will run at this setting temperature; In Heat mode: sleep status after run for one hour, the setting temperature will decrease 1 °C, 2 hours, setting temperature will decrease 2 °C, then the unit will run at this setting temperature.
- Sleep 2 is sleep mode 2, that is air conditioner will run according to the presetting a group of sleep temperature curve.
 In Cool mode:

(1) When setting the initial temperature $16-23^{\circ}$ C, after turned on Sleep function, the temperature will be increased 1° C in every hour, after 3° C the temperature will be maintained, after 7hours, the temperature will be decreased 1° C, after that the unit will keep on running under this temperature;

(2) When setting the initial temperature $24^{\circ}C \sim 27^{\circ}C$, after turned on Sleep function, the temperature will be increased $1^{\circ}C$ in every hour, after $2^{\circ}C$ the temperature will be maintained, after 7hours, the temperature will be decreased $1^{\circ}C$, after that the unit will keep on running under this temperature;

(3) When setting the initial temperature $28 \,^{\circ}\text{C} \sim 29 \,^{\circ}\text{C}$, after turned on Sleep function, the temperature will be increased 1 $^{\circ}\text{C}$ in every hour, after 1 $^{\circ}\text{C}$ the temperature will be maintained, after 7 hours, the temperature will be decreased 1 $^{\circ}\text{C}$, after that the unit will keep on running under this temperature;

(4) When setting the initial temperature 30 $^{\circ}$ C, under this temperature setting, after 7hours, the temperature will be decreased 1 $^{\circ}$ C, after that the unit will keep on running under this temperature;

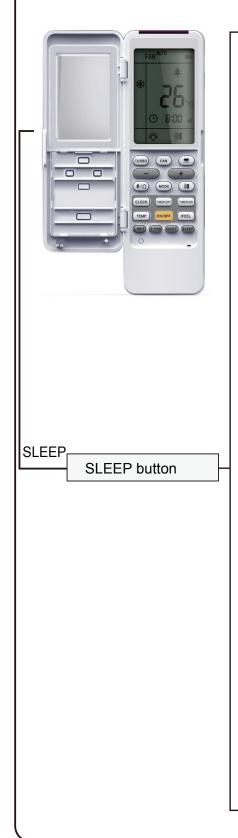
In Heat mode:

(1) Under the initial presetting temperature 16 $^\circ\!\!\!C$, it will run under this setting temperature all along.

(2) Under the initial presetting temperature 17 $^\circ\!\mathrm{C}$ \sim 20 $^\circ\!\mathrm{C}$, after Sleep function started up, the temperature will decrease 1 $^\circ\!\mathrm{C}$ in every hour, after 1 $^\circ\!\mathrm{C}$ decreased, this temperature will be maintained.



Name and function of wireless remote controller



(3) Under the initial presetting temperature $21^{\circ}C \sim 27^{\circ}C$, after Sleep function started up, the temperature will decrease $1^{\circ}C$ in every hour, after $2^{\circ}C$ decreased, this temperature will be maintained.

(4) Under the initial presetting temperature $28 \ ^{\circ}C \sim 30 \ ^{\circ}C$, after Sleep function started up, the temperature will decrease $1 \ ^{\circ}C$ in every hour, after $3 \ ^{\circ}C$ decreased, this temperature will be maintained.

• Sleep 3- the sleep curve setting under Sleep mode by DIY:

(1) Under Sleep 3 mode, press "Turbo" button for a long time, remote control enters into user individuation sleep setting status, at this time, the time of remote control will display "1hour ", the setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink (The first entering will display according to the initial curve setting value of original factory);

(2) Adjust " + " and " - " button, could change the corresponding setting temperature, after adjusted, press "Trubo "button for confirmation;

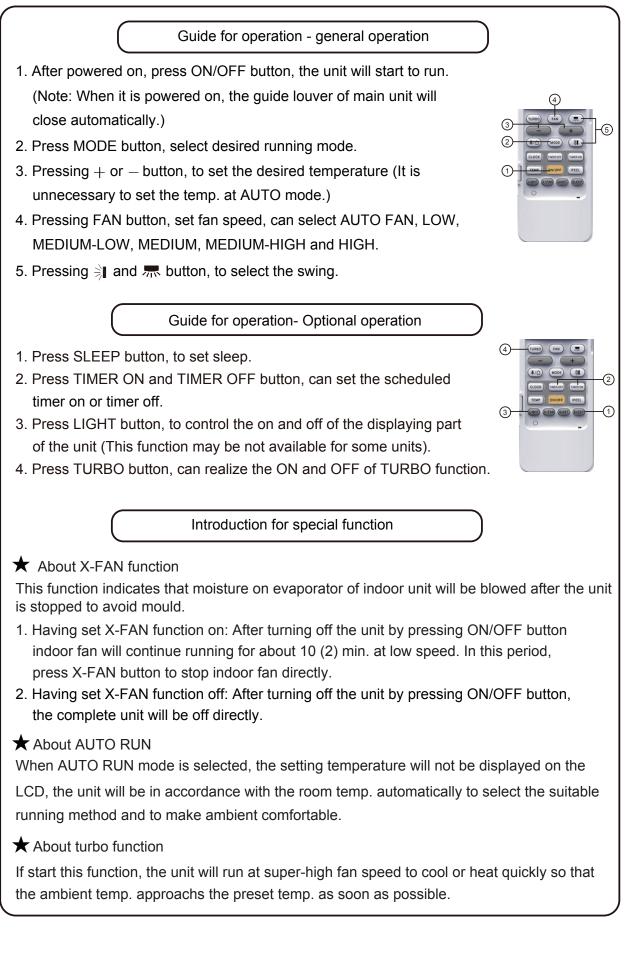
(3) At this time, 1hour will be automatically increased at the timer postion on the remote control, (that are "2 hours" or "3 hours" or "8 hours "), the place of setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink;

(4) Repeat the above step (2) \sim (3) operation, until 8hours temperature setting finished, sleep curve setting finished, at this time, the remote control will resume the original timer display; temperature display will resume to original setting temperature.

 Sleep3 - the sleep curve setting under Sleep mode by DIY could be inquired:

The user could accord to sleep curve setting method to inquire the presetting sleep curve, enter into user individuation sleep setting status, but do not change the temperature, press "Turbo" button directly for confirmation.

Note: In the above presetting or enquiry procedure, if continuously within 10s, there is no button pressed, the sleep curve setting status will be automatically quit and resume to display the original displaying. In the presetting or enquiry procedure, press "ON/OFF" button, " Mode " button, " Timer " button or " Sleep " button, the sleep curve setting or enquiry status will quit similarly.





About lock

Press + and – buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon $\widehat{}$ will be displayed on it, in which case, press any button, the mark will flicker for three times. If the keyboard is unlocked, the mark will disappear.

★About swing + and -

- 1. Press swing + and button continuously more than 2s, the main unit will swing back and forth from + to - , and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
- Under swing + and mode, when the status is switched from off to ⇒ I, if press this button again 2s later, ⇒ I status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequence stated above.

★ About swing left and right

- 1. Press swing left and right button continuously more than 2s, the main unit will swing back and forth from left to right, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
- 2. Under swing left and right mode, when the status is switched from off to *m*, if press this button again 2s later, *m* status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequence stated above.

About switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and - buttons simultaneously to switch ${}^\circ\!\!\mathbb{C}$ and ${}^\circ\!\!\mathbb{F}.$

Combination of "TEMP" and "CLOCK" buttons: About Energy-saving Function

Press "TEMP" and "CLOCK" simultaneously in COOL mode to start energy-saving function. Nixie tube on the remote controller displays "SE". Repeat the operation to quit the function.

★Combination of "TEMP" and "CLOCK" buttons: About 8[°]C Heating Function

Press "TEMP" and "CLOCK" simultaneously in HEAT mode to start 8°C Heating Function Nixie tube on the remote controller displays "()" and a selected temperature of "8°C". (46°F if Fahrenheit is adopted). Repeat the operation to quit the function.

★About Quiet function

When quiet function is selected:

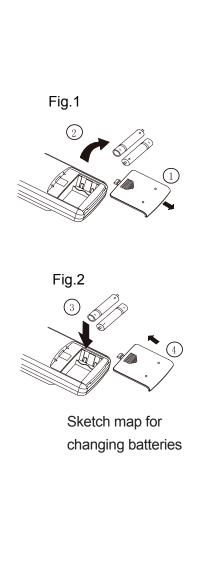
- 1. Under cooling mode: indoor fan operates at notch 4 speed. 10 minutes later or when indoor ambient temperature≤28 °C, indoor fan will operate at notch 2 speed or quiet mode according to the comparison between indoor ambinet temperature and set temperature.
- 2. Under heating mode: indoor fan operates at notch 3 speed or quiet mode according to the comparison between indoor ambient temperature and set temperature.
- 3. Under dry, fan mode: indoor fan operates at quiet mode.
- 4. Under auto mode: the indoor fan operates at the auto quiet mode according to actual cooling, heating or fan mode.

★ About Sleep function

Under the Fan and Auto mode, the Sleep function cannot be set up, under Dehumidify mode, only Sleep 1 can be selected. Select and enter into any kind of Sleep mode, the Quiet function will be attached and stared, different Quiet status could be optional and turned off.

Changing batteries and notices

- 1.Slightly to press the place with , along the arrowhead direction to push the back cover of wireless remote controller. (As shown in Fig 1.)
- 2. Take out the old batteries.
- 3.Insert two new AAA1.5V dry batteries, and pay attention to the polarity. (As shown in Fig 2.)
- 4. Attach the back cover of wireless remote controller NOTE:
- When changing the batteries, do not use the old or different batteries, otherwise, it can cause the malfunction of the wireless remote controller.
- If the wireless remote controller will not be used for a long time, please take them out, and don't let the leakage liquid damage the wireless remote controller.
- The operation should be in its receiving range.
- It should be placed where is 1m away from the TV set or stereo sound sets.
- If the remote control cannot operate normally, please take the batteries out, and then reinsert it 30s later; if it is also abnormal, please replace the batteries.
- If the main unit needs to be remote controlled, please aim remote controller at the receiver of main unit in order to improve the receiving sensitivity of the main unit.
- When the remote controller sends out signal, a mark [•]
 will flicker for about 1s. The bell will ring if the main unit receives effective signal.



Emergency operation

Displayer indicator light control of indoor unit

It's a special selective button for the users ,who are not accustomed to the light at sleeping.

• Get the displayer indicator light on: When setting the light function, the mark $\sqrt[n]$ will display on the remote controller screen by pressing this button. In which case, the dissplayer indicator light will be on if the AC receives this signal.

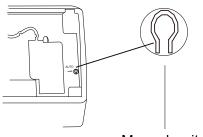
•Get the displayer indicator light off: If cancel the light function, the mark ⁽⁾ will disapper on the remote controller screen by pressing this button. In which case, the displayer indicator light will be off if the AC receives this signal.

Emergency operation

If the wireless remote control is lost or broken, please use the manual switch button. At this time, the unit will run at the Auto mode, but the temperature and fan speed cannot be changed. The operation was shown as below:

To open the panel, the manual switch is on the displayer box.

- Turn on the unit: At unit turned off, press the button, the unit will run at Auto mode immediately. The microcomputer will accord to the indoor temperature to select (Cooling, Heating, Fan) and obtain the comfortable effect.
- Turn off the unit: At unit turned on, press the button, the unit will stop working.



Manual switch

Fig.3

Clean and care Caution • Turn power off and pull out the power plug before cleaning air conditioner, or it may cause electric shock. • Never sprinkle water on the indoor unit and the outdoor unit for cleaning because it can cause an electric shock. • Volatile liquid (e.g. thinner or gasoline) will damage the air conditioner. (So wipe the units with a dry soft cloth, or a cloth slightly moistened with water or cleanser.) Clean the front panel When cleaning the front panel, please dip the cloth into the water temperature of 45°C below, then to dry the cloth and wipe the dirty part. Note: Please do not to immerse the front panel in water, due to there are microcomputer components and circuit diagrams on the front panel. Clean the air filter (Recommended once every three months) NOTE: If dust is much more around the air conditioner, the air filters should be cleaned many times. After taking off the filter, don't touch the fin of indoor unit, in order to avoid hurt your fingers. (1) Take down the air filter At the slot of surface panel to open an angle, pull the air filter downward and take it out, please see the Fig. 4(a, b). (h) (2) Clean the air filter Fig.4 To clean the dust adhering to the filters, you can either use a vacuum cleaner, or wash them with warm water the water with the neutral detergent should below 45 degree) ,and dry it in the shade. NOTE: Never use water above 45° C to clean, or it can cause deformation or discoloration. Never parch it by fire, or can cause a fire or deformation. (3) Insert the air filter Reinsert the filters along the direction of arrowhead, and then to cover the cover and clasp it.

Clean and care
Check before use
 Be sure that nothing obstructs the air outlet and intake vents. Check that whether ground wire is properly connected or not.
(3) Check that whether the batteries of air conditioner are changed or not.
(4) Check that whether the installation stand of the outdoor unit is damaged or not. If damaged, please contact the dealer.
Maintain after use
① Turn main power off.
2 Clean the filter and indoor and outdoor units' bodies.
3 Clear dust and obstructions from the outdoor unit.
4 Repaint the rubiginous place on the outdoor unit to prevent it from spreading.
(5) Adopt the special shield to cover the outdoor unit, avoid the rain water, dust enter into the unit and get rust.

Troubleshooting

$\int \underbrace{ \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n}$	CAUTION
	y yourself, it can cause an electric shock or e asking for repair, it can save your time and
Phenomenon	Troubleshooting
Not operate immediately when the air conditioner is restarted.	 Once the air conditioner is stopped, it will not operate in approximately 3 minutes to protect itself.
There's unusual smell blowing from the outlet after operation is started.	 The unit has no peculiar smell by itself. If has, that is due to the smell accumulated in the ambient. Solution method: Cleaning the filter. If problem still has, so need to clean air
	conditioner. (Please contact with the authorized maintenance center.)
Sound of water flow can be heard during the operation.	• The air conditioner is started, when it is running the compressor started or stopped running, or the unit is stopped, sometimes there is swoosh or gurgle, the sound is due to refrigerant flowing they are not malfuncti- ons.
In COOL mode, sometimes the mist emitted from the air outlet vent.	• When the indoor temperature and humidity are very high, this phenomenon would happen. This is caused by the room air is swiftly cooled down. After running for a while, indoor temperature and humidity will fall down, the mist will die away.
Creaking noise can be heard when start or stop the unit.	 This is caused by the deformation of plastic due to the changes of temperature.

Troubleshooting

Phenomenon	Troubleshooting
The unit can not run.	 Has the power been shut down? Is power plug loosed? Is the circuit protection device tripped off or not? Is voltage higher or lower? (Tested by professionals) Is the TIMER correctly used?
Cooling(Heating) efficiency is not good.	 Is Temp. setting suitable? Were inlet and outlet vents obstructed? Is filter dirty? Are the windows and doors clothed? Did Fan speed set at low speed? Is there any heat sources in the room?
Wireless remote control is not available.	 The unit is interfered by abnormal or frequent functions switchover occasionally the controller cannot operate. At this time, you need to pull out of the plug, and reinsert it. Is it in its receiving range? Or obstructed? To check the voltage in wireless remote control inside is charged, otherwise to replace the batteries. Whether the wireless remote control is damaged.
If water leakage in the room.	 The air humidity is on the high side. Condensing water over flowed. The connection position of indoor unit drainage pipe is loosed.
If water leakage in outdoor unit.	 When the unit is running in COOL mode, the pipe and connection of pipe would be condensed due to the water cooled down. When the unit is running in Auto Defrosting mode the ice thawed and flowed out. When the unit is running in HEAT mode, the water adhered on heat exchanger dripped off.
Noise from indoor unit emitted.	 The sound of fan or compressor relay is switching on or off. When the defrosting is started or stop running, it will sound. That is due to the refrigerant flowed to the reverse direction.

Troubleshooting

Phenomenon	Troubleshooting
Indoor unit cannot deliver air.	 In HEAT mode, when the temperature of indoor heat exchanger is very low, that will stop deliver air in order to prevent cool air. (Within 2min)
	 In HEAT mode, when the outdoor temperature is low or high humidity, there are much frost be formed on the outdoor heat exchanger, that the unit will automatically defrost, indoor unit stop blowing air for 3-12min. During the defrosting, there is water flowing out or vapor be produced.
	 In dehumidifying mode, sometimes indoor fan will stop, in order to avoid condensing water be vapo- rized again, restrain temperature rising.
Moisture on air outlet vent.	 If unit is running under the high humidity for a long time, the moisture will be condensed on the air outlet grill and drip off.



Immediately stop all operations and plug out, contact the dealer in following situations.

There is harsh sound during operation.

The terrible odors emitted during operation.

Water is leaking in the room.

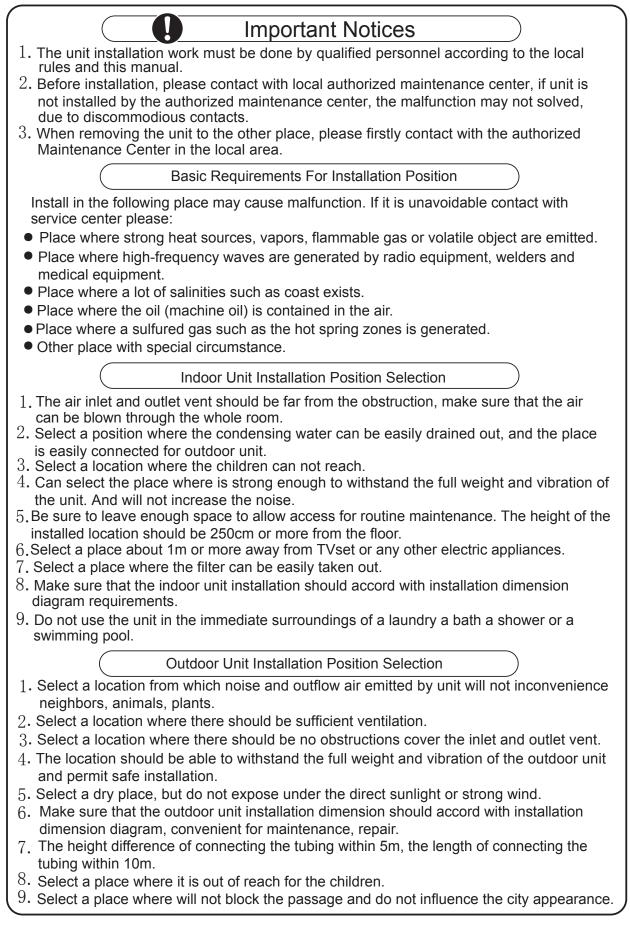
Air switch or protection switch often breaks.

Carelessy splash water or something into unit.

There is an abnormal heat in power supply cord and power plug.

Stop running and pull out of the plug.

Notices for installation



Notices for installation

Safety Requirements For Electric Appliances

- 1. The power supply should be used the rated voltage and AC exclusive circuit, the power cable diameter should be satisfied.
- 2. Don't drag the power cable emphatically.
- It should be reliably earthed, and it should be connected to the special earth device, the installation work should be operated by the professional.
 The air switch must have the functions of magnetic tripping and heat tripping, in order to protect the short circuit and overloading.
- 4. The min. distance from the unit and combustive surface is 1.5m.
- 5. The appliance shall be installed in accordance with national wiring regulations.
- 6. An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- 7. Poly-crystalline solar panel is strongly recommended as solar power device. The rated voltage of DC solar power should be less than 165V and the rated current should be less than 10A. Take the poly-crystalline solar panel of 200W (open-circuit voltage:33V, short-circuit current:8.12A)for instance, the maximum number in one series of of panels is 5, and the connention method should be series connection.

Note:

- ⁵ Make sure that the Live wire or Zero line as well as the earth wire in the family power socket can not be wrong connected, there should be reliable and no short circuit in the diagram.
- ° wrong connection may cause fire.

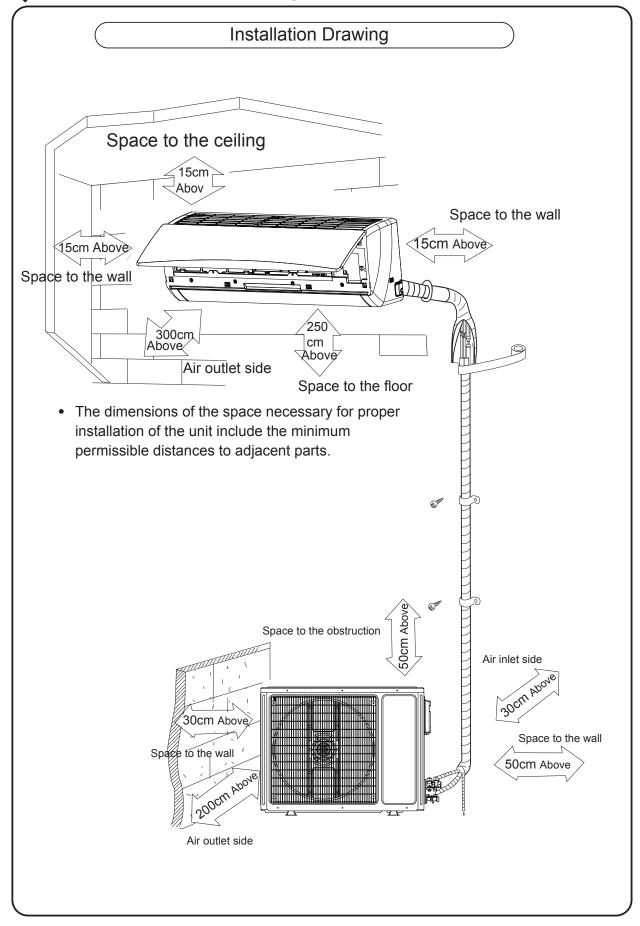
Earthing requirements

- 1. Air conditioner is type I electric appliance, thus please do conduct reliable earthing measure.
- 2. The yellow-green two-color wire in air conditioner is earthing wire and cannot be used for other propose. It cannot be cut off and be fix it by screw, otherwise it would cause electric shock.
- 3. The earth resistance should accord to the National Criterion.
- 4. The user power must offer the reliable earthing terminal. Please don't connect the earthing wire with the following place:

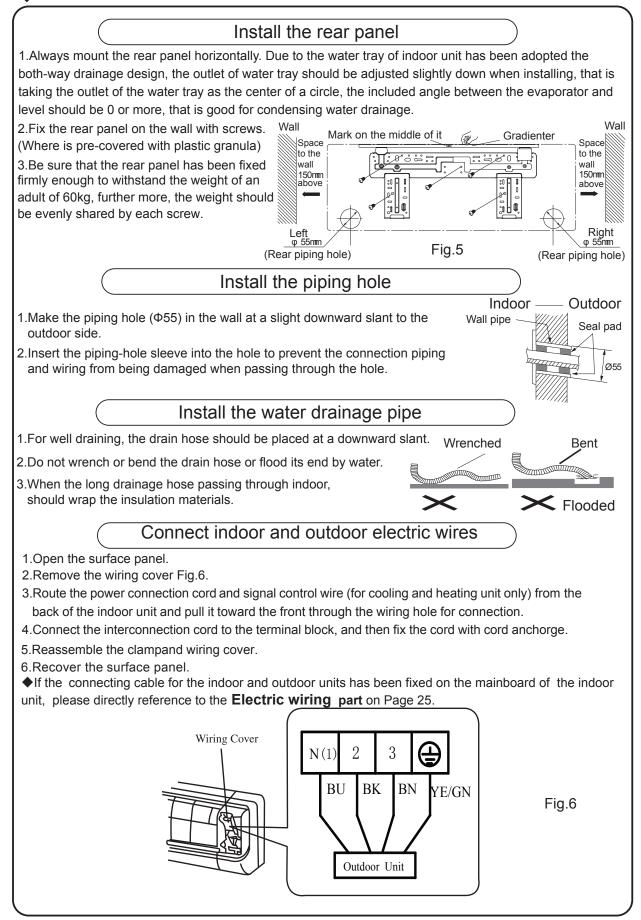
(1) Tap water pipe. (2) Gas pipe. (3) Contamination pipe.

- 4 Other places that professional personnel consider them unreliable.
- 5. The model and rating values for fuses according the silk print on fuse cover or related PCB board.

Installation dimension diagram



Install indoor unit

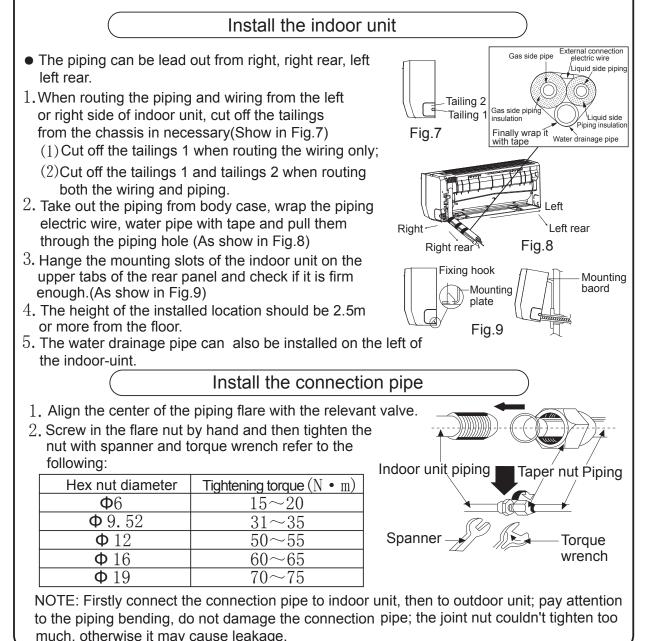


Install indoor unit

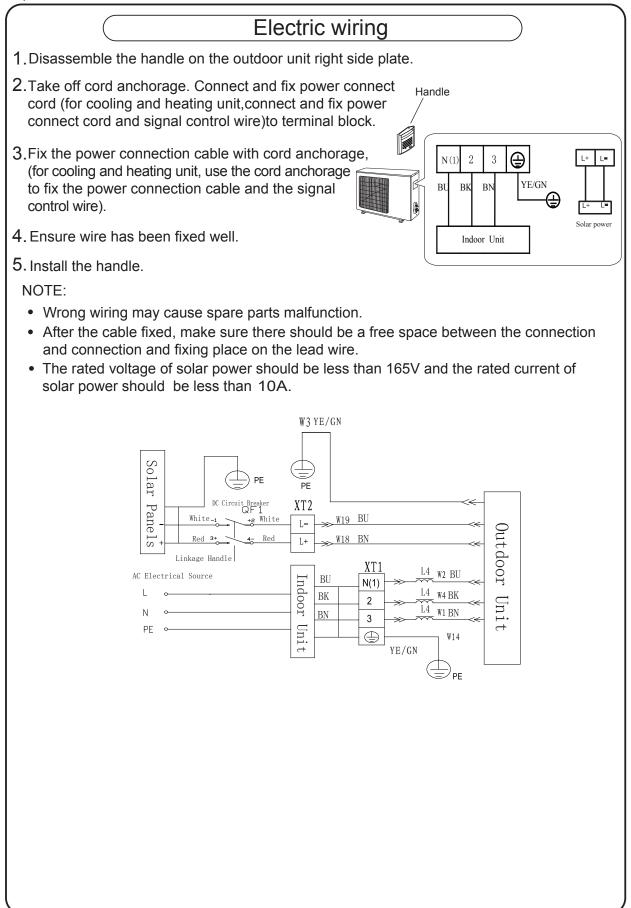
NOTE:

When connecting the electric wire if the wire length is not enough, please contact with the authorized service shop to buy a exclusive electric wire that is long enough and the joint on the wire are not allowed.

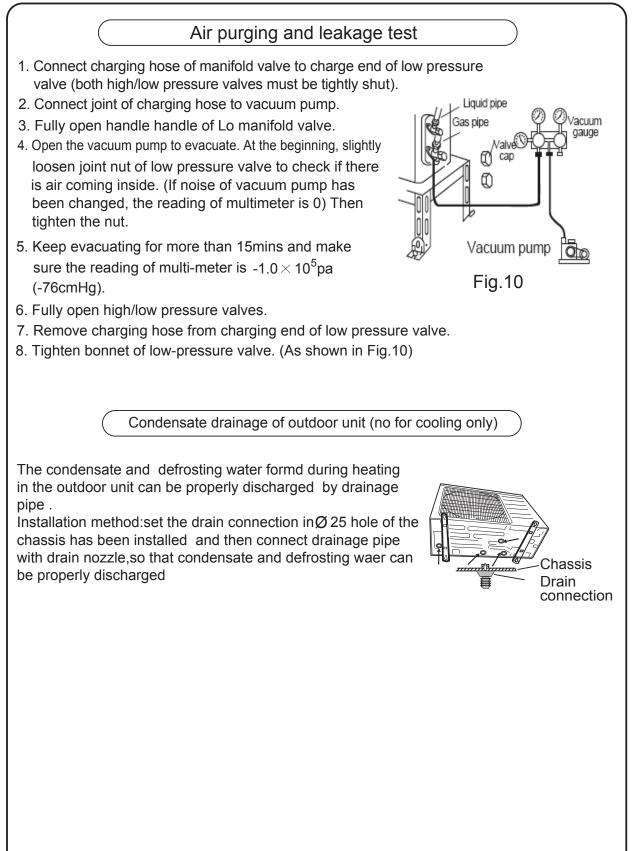
- The electric wiring must be correctly connected, wrong connection may cause spare parts malfunction.
- Tighten the terminal screw in order to prevent loose.
- After tighten the screw, slight pull the wire and confirm whether is it firm or not.
- If the earth wire is wrong connection, that may cause electric shock.
- The cover plate must be fixed, and tighten the connection wire, if it is poor installed, that the dust, moisture may enter in or the connection terminal will be affected by outside force, and will cause fire or electric shock.



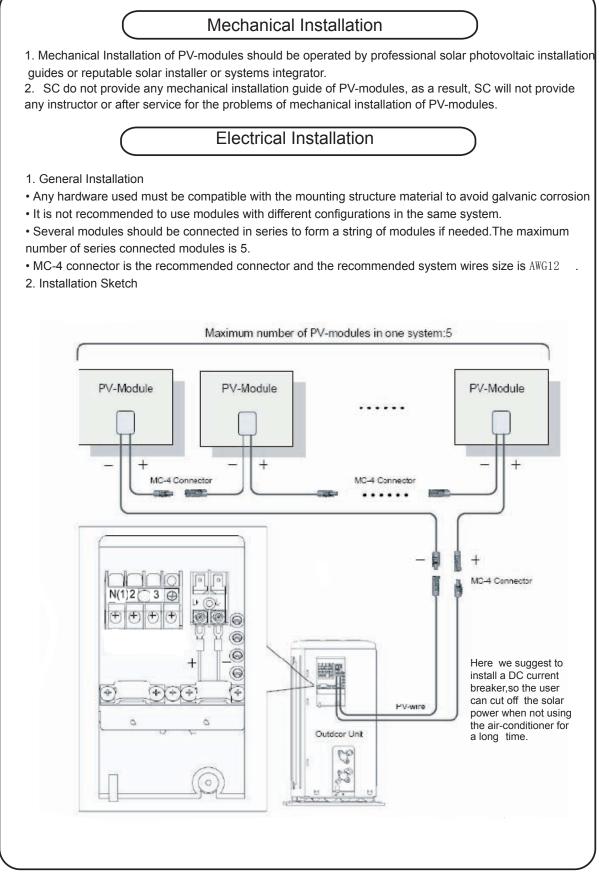
Install outdoor unit

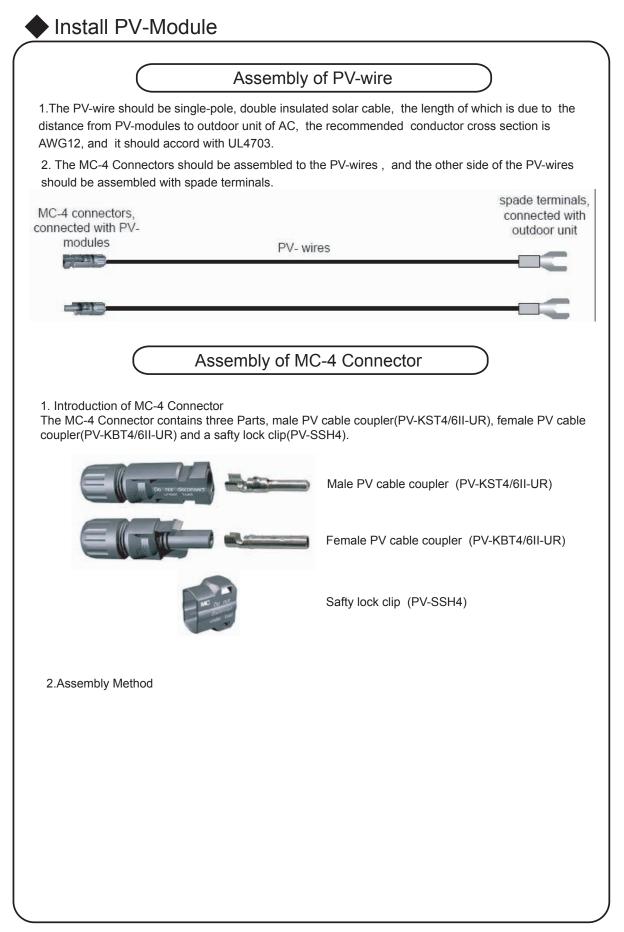


Install outdoor unit



Ele	ectrical Characteristics
Open - Circuit Voltage (Voc	
Optimum Operating Voltage (V	
Short - Circuit Current (Isc)	• •
Optimum Operating Current (II	
Maximum Power at STC (Pma	ax) 200Wp
Operating Temperature	-40°C to +85°C
Maximum System Voltage	600V DC
Maximum Series Fuse Ratin	g 20AMPS
Power Tolerance	±3 %
Med	chanical Characteristics
Solar Cell	Poly-crystalline 156×156mm (6inch)
No. of Cells	54 (6×9)
Dimensions	1482×992×35mm (58.3×39.1×1.4inch)
Weight	16.8kg (37.0lbs.)
Front Glass	3.2 mm (0.13inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
	LAPP (4.0mm2), asymmetrical lengths (-)
Output Cables	1200mm(47.2inch) and (+) 800mm (31.5inch), MC Plug Type IV connectors
STC: Irradiance 1000W/m2, M	odule temperature 25°C, AM=1.5
Curre	ent-Voltage & Power-Voltage Curve
9	210
8 1000W/m ²	
, -	
800W/m ²	150
6 600W/m ²	
2 600W/m*	
[₿] ₄ <mark> </mark>	
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	Introduction	Photo	Recommended tool
Step1	Strip cable insulation. L = 6-7,5 mm. Take care not to cut individual strands.		Stripping pliers:PV-AZM-1.5/6
Step2	Open and hold clamping clip (K).Insert contact in the appropriate cross-section range of the crimping tool. Turn contact till crimping tabs face the top. Release clamping clip (K). The contact is secured.		Crimping pliers: PV-CZM-19100 Insert: PV-ES-CZM-19100 Contemporation Locator: PV-LOC
Step3	Lightly press the pliers together so that the crimping tabs lie securely within the crimping die.	Hutti-Contact py-CH 22020- Marterer Sentry	
		A Constant	



Step4	Insert the stripped cable until the insulation comes into contact with the crimping insert. Close crimping tool completely. Check crimp.		
Step5	Push the crimped contact into the socket resp. plug insulator until it engages. Pull lightly on the lead to check that the metal part has engaged.		
Step6	Insert the test pin with the corresponding side into the socket or plug to the end position. If the contact is correctly assembled, the white marking on the test pin must be still visible.	自色标记 white marking	Test plug PV-PST
Step7	Screw on the cable gland, hand-tight, with the tools PV-MS. The tightening torque must be adapted to the solar cables used in each specific case. Typical values lie in a range between 2,5Nm to 3Nm.		Open-end spanner PV-MS 1 set = 2 pieces

correct engagement by pulling on the coupling.		
Compress the two snapin springs (X) by hand or with the PV-MS tool and separate the coupling.		
Plugging: Mount the plug connection until it engages. Check correct engagement by pulling on the coupling. Unplugging: The plug connection can only be unlocked with the tool PV-MS.	PV-SSH4	PV-SSH4
	coupling. Compress the two snapin springs (X) by hand or with the PV-MS tool and separate the coupling. Plugging. Plugging: Mount the plug connection until it engages. Check correct engagement by pulling on the coupling. Unplugging: The plug connection can only be unlocked	coupling.Compress the two snapin springs (X) by hand or with the PV-MS tool and separate the coupling.PV-MS tool and separate the coupling.Plugging: Mount the plug connection until it engages. Check correct engagement by pulling on the coupling.Unplugging: The plug connection can only be unlocked

Check after installation and test operation

Check after installation

Items to be checkedPossible malfunctionHas it been fixed firmly?The unit may drop, shake or emit noise.Have you done the refrigerant leakage test?It may cause insufficient cooling(heating) capacityIs heat insulation sufficient?It may cause condensation and dripping.Is water drainage well?It may cause condensation and dripping.Is the voltage in accordance with the rated voltage marked on the nameplate?It may cause electric malfunction or damage the part.Is the electric wiring and pipingIt may cause electric malfunction or damage the
Have you done the refrigerant leakage test? It may cause insufficient cooling(heating) capacity Is heat insulation sufficient? It may cause condensation and dripping. Is water drainage well? It may cause condensation and dripping. Is the voltage in accordance with the rated voltage marked on the nameplate? It may cause electric malfunction or damage the part.
test?Is heat insulation sufficient?Is water drainage well?Is water drainage well?It may cause condensation and dripping.Is the voltage in accordance with the rated voltage marked on the nameplate?part.
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Is water drainage well? It may cause condensation and dripping. Is the voltage in accordance with the rated voltage marked on the nameplate? It may cause electric malfunction or damage the part.
Is the voltage in accordance with the It may cause electric malfunction or damage the rated voltage marked on the nameplate? part.
rated voltage marked on the nameplate? part.
Is the electric wiring and piping It may cause electric malfunction or damage the
5 11 5 5
connection installed correctly and part.
securely?
Has the unit been connected to a secure It may cause electrical leakage.
earth connection?
Is the power cord specified? It may cause electric malfunction or damage the
part.
Is the inlet and outlet been covered? It may cause insufficient cooling(heating) capacity
Has the length of connection pipes and The refrigerant capacity is not accurate.
refrigerant capacity been recorded?
Is the PV-wire installed correctly and It may cause PV-modules not work or damage th
securely? PV-modules.
Is the MC-4 connectors plugged correctly It may cause PV-modules not work.
and securely?
Test the voltage of L+ and L- to ensure It may cause PV-modules not work.
the PV-modules is connected to AC
correctly.

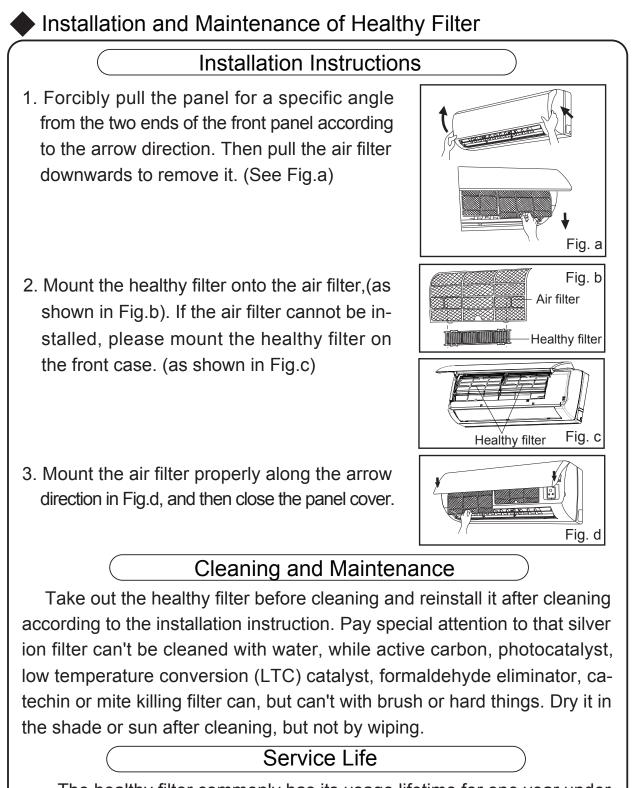
Test Operation

1. Before test operation

- (1) Do not switch on power before installation is finished completely.
- (2) Electric wiring must be connected correctly and securely.
- (3) Cut-off values of the connection pipes should be opened.
- (4) All the impurities such as scraps and thrums must be cleared from the unit.

$2.\,{\rm Test}$ operation method

- (1) Switch on power, press "ON/OFF" button on the wireless remote control to start the operation.
- (2) Press MODE button, to select the COOL, HEAT (Cooling only unit is not available), FAN to check whether the operation is normal or not.



The healthy filter commonly has its usage lifetime for one year under normal condition. As for silver ion filter, it is invalid when its surface becomes black (green).

• This supplementary instruction is provided for reference to the unit with healthy filter. If the graphics provided herein is different from the physical goods, the latter one shall prevail. The quantity of healthy filters shall be based on the actual delivery.



COUNTRY STAR SDN BHD (437305-H)

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Product improvement, specification and appearance in this manual are subject to change without prior notice .



