

Green
Energy   
inside



Free Cool Solar Air Conditioners & Refrigerators





Green
Energy **inside**

Features

- Solar Hybrid Technology
- Top Energy Saving
- Environment friendly
- Fast Cooling System
- Auto Cleaning
- Anti Corrosion Fin
- Auto Changeover
- Wireless Remote Controller
- Sleep Mode Auto Operation
- Healthy Dehumidification
- Auto Restart
- One-Touch Air Filter (Anti-Bacteria)
- Eco Friendly gas
- Keep Moisture
- 4-Way Air Deflection
- 50 to 70% Energy Saving
- Low Ambient

Features

- Full Solar Air Conditioner
- Solar and Thermal technology
- High Quality Solar Panels and Control
- Low noise
- Low dehumidity
- Dry function
- Duct Operation
- Neuro Fuzzy Control (Optional)
- Water from Air
- Soft Dry Operation Mode
- Quality control
- Thermistor & Systems PCB
- Setting Timer
- Group Control
- Central controller (Optional)
- Changeable Panel
- Eco friendly Products



Environment & friendly and Quality systems Control



Free Cool Energy Series



Free Cool Multi Energy Series



Free Cool Trinity Series



Free Cool Solar Power Series



Free Cool Power Refrigerator



Atmospheric Water Generator Series





Green
Energy
inside



Hybrid Solar Air Conditioners

Free Cool Solar Air Conditioners absorb solar / ambient / recycled condenser heat, to heat the thermal solar air conditioners thermal unit. By using pressurized evacuated solar collectors capturing heat at high temperatures; this method helps change Eco friendly refrigerants from liquids to gas, reducing energy usage needed for the compressor. Thus reducing energy usage 24 hours a day, 7 days a week at a guaranteed minimum 40% energy savings over any air conditioner in the world.

The refrigerant from the compressor goes through the copper coil inside the high pressure collector, then undertakes a heat exchange. The refrigerant heated by our heat conductive high pressure vacuum tubes passing to the thermal solar air conditioners pressurized inside solar collector, will then go through a cycle inside the system from cooling to heating, back to cooling. Our New Generation of Thermal Solar Air Conditioners offer high pressure hot water (with tank), R410A, and Heat at no extra cost.

Our New Generation of Thermal Solar Air Conditioners offer high pressure heat exchange at about a 5% to 7% more energy savings (with out tank), R410A, and Heat at no extra cost.

We use a smaller compressor instead of standard compressors to run our system which saves electricity dramatically. A smaller compressor consumes much less electricity and works together with our solar collector technology helping save substantial amounts of electricity.

How Triple Thermal Water (H2O) Heating Physics Produce High Pressure Gas Refrigerant:

Free Cool Solar has developed a new State of the Art Technology; "Triple Thermal Solar Air Conditioners" that will provide up to 20% more energy efficiency, over our existing technology in thermal air conditioners. Our technology, quality, design, and features have been redesigned, to a much higher standard, in energy savings, performance, material quality, and features that will far exceed your demands.

Free Cool Solar is now introducing our newly tested, and proven designed, triple thermal solar air conditioner in all world markets, to make a complete switch, from our old style thermal solar air conditioner, to our newest technology.

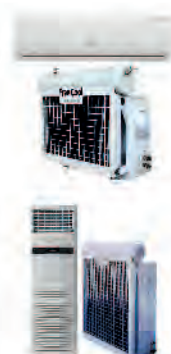
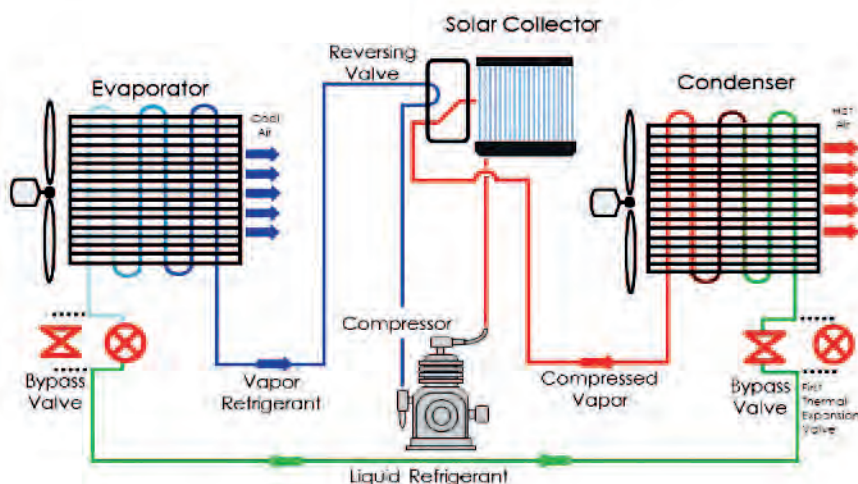
Free Cool Solar will be able to offer our new triple thermal solar air conditioners for much less then our earlier technology, including any other competitive thermal, or inverter air conditioner in the world. Free Cool Solar offers the best technology, warranties, service, more features, and most of all, large savings to our clients starting now.

Free Cool Solar's Triple Thermal Solar Air Conditioner allows you to easily maintain your air conditioner, with our new Plug N Play method, allowing you to add and remove features easily you can add evacuated high pressure tubes in series or length, giving you all the hot water you need at no extra large equipment cost, or hefty service installation fees.

Truly there is no other air conditioner technology in the world that will surpass the quality, design, affordability, technology, and over all energy savings then Free Cool Solar's Technology in Triple Thermal Processing.

If you've been involved in the business of green energy in recent years, you will remember this technology was originally brought to life by Free Cool Solar Korea many years ago, and not China.

Having this new technology is a passage way to a much more environmentally green world, for you and your markets.

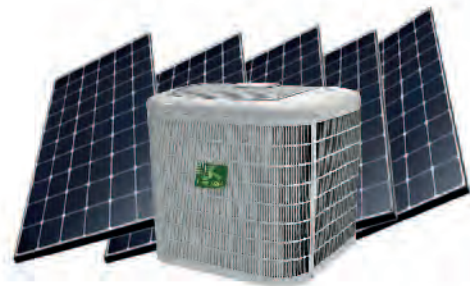


Free Cool Air Conditioners are environment friendly and future-orientated.

Free Cool solar hybrid air-conditioner at an economically competitive level could reduce Electricity costs Free Cool Air Conditioning units use R410A refrigerant, Also Free Cool series with outstanding designs. They have improved air flow innovations to realise world's lowest noise, and provide a more pleasant and convenient indoor environment.



The SEER exceeds all of the solar air conditioner is A++ or A+++ . Healthy and comfortable, constant temperature and Automatic open and close dust proof air outlet As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. Customers can purchase the products taking into consideration the energy consumption of the unit.



Free Cool Solar Air Conditioners will prove to the World, that our Newest Revolutionary technology will Guarantee The Below Results:

- Outlast any other Air Conditioner of our BTU Size, In Quality, Life, and Energy Savings
- Higher COP = Longer Life, Lower Energy Usage
- Higher EER = Longer Life, Lower Energy Usage
- 100% Faster Cooling Rate With Dual Condensers, Larger Evaporators = Longer Compressor Life, With Little to No Down Time, Lower Energy Usage, and Best of All "Large Over All Savings"
- Longer Life over any Air Conditioner, with our Triple Thermal Assist Technology, Material Quality, and High Standard QC
- 100% Environmentally, and User Friendly
- Lower Operational Time to Achieve Inside Comfort Levels Much Faster, Saving Energy Usage, By Increasing The Life Span of our Free Cool Solar Air Conditioners
- Designed to Operate in Most of the Warmest Environments in the World, with out Failure
- Free Cool Solar Air Conditioners are designed for Plug -N- Play Technology, Making it Easy to Add Accessories, with out Making Costly Changes, Add Extra Hot Water Storage Tanks, More or Longer Evacuated Solar Tubes, Connect Free Cool Solar Air Conditioners Together, and Much More...
- A Very Nice Feature Free Cool Solar Air Conditioners Offer - Is Free Hot Water, and Continuously Updated Technology at "NO Extra Cost"





Green
Energy
inside

Free Cool Energy Series Wall mounted type

- Hybrid Solar Air Conditioner
- Anti Corrosion blue Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Purifying System • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation
- Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)



Specification

Model no	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHS135 W	12000	3500	13000	3800	≤42	≤52	550	15~23	3.89	13.27
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHS 145W	18000	5200	18800+1700	5500+500	≤44	≤54	800	26~36	3.83	13.07
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHS175W	24000	7200	27000	7900	≤50	≤58	1050	30~48	3.82	13.03
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHS 190W	30000	9000	33000	10000	≤52	≤60	1450	40~55	3.81	13.01
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHS1100W	36000	10000	40000	11000	≤54	≤62	1650	50~68	3.78	12.92
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

Specifications subject to change without notice

Unique features - Free Cool Air Conditioners

Wall Mounted Series

The most comfortable airflow for the human body can be found in nature. Free Cool has applied the scientific Chaos theory to its Air Conditioning range, which effectively produces a natural, fresh breeze. The Chaos theory is a technology that recreates the flow of natural air by controlling the angle of the movement of the air vane. Chaos Swing technology also minimises the temperature difference in the room, creating a more comfortable environment.

Anti Corrosion Blue Fin

Free Cool Blue Fin is an anti corrosion coating on the surface of the heat exchanger. This ensures that the surface is more resistant to corrosion and increases the durability to help the exchanger perform like new for a much longer period.

Salt Spray Test for 15 Days



Auto Clean

A main cause of air conditioner odours is mould and bacteria that breed in the heat exchanger. The Auto Clean function dries the wet heat exchanger to help prevent mould and bacteria from breeding thus significantly reducing the old rag smell and saves you from frequent cleaning. Conventional



Free Cool Auto Clean



1 STEP

Dries the evaporator with gentle low noise air from the fan by removing any remaining moisture.

Pressing the Auto Clean button will activate the automatic cleaning function after the cooling operation.



Removes moulds through the Plasma system.

Solar collector.

High efficiency all glass evacuated tube is the key component of solar collector. The evacuated tube is similar to a conventional Dewar flask and consists of two borosilicate glass tubes. This glass material has high chemical and thermal shock resistance. The outer surface of inner tube is coated with a sputtered solar selective material. This coated inner tube is closed at one end and sealed at the other end to the outer tube. The annular space between inner tube and outer tube is evacuated to virtually eliminate





Green
Energy
inside

Unique Features Free Cool Air Conditioners

Wall Mounted Series

Easy Quick Clean System

Free Cool Split Systems are designed with simple cleaning in mind. The grille is completely detachable and access is made simple with the upward opening cover panel.

1 STEP Ez-Detachable Grille



All parts that need to be cleaned can be removed. Now, it is much easier to clean your air conditioner.

2 STEP Cleaning Filter



Filters must be kept clean at all times to ensure optimum operation. The Free Cool Cleaning Filter is designed for easy handling and cleaning.

3 STEP Auto Clean Operation

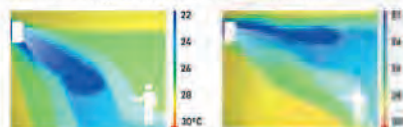


Moisture in the evaporator can increase the presence of germs and fungi. The Auto Clean Operation can reduce moisture for a fresh, soft, and dry condition.

Healthy Dehumidification

Dehumidification mode reduces uncomfortable humidity from the room without over cooling.

Indoor Temperature Distribution Chart



Conventional

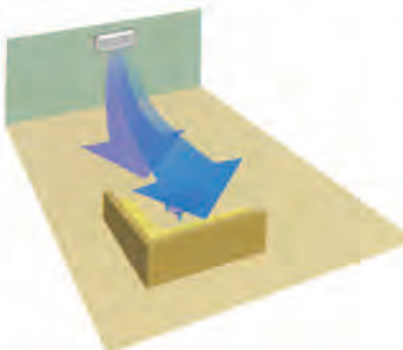
Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.

Free Cool Healthy Dehumidification

By increasing the Vane Angle, a better assessment of the actual temperature is possible to prevent over cooling.

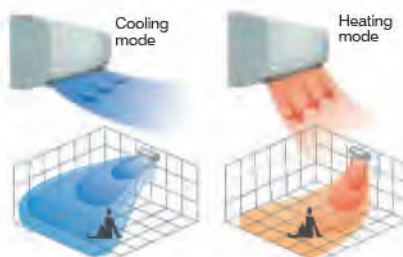
Quick Cool

The Jet cool function allows quick cooling. In this mode, cool air is blown at high speed for 30 minutes, until the room temperature reaches 18°C.



Optimized Cooling & Heating Air Flow

The air vanes will be adjusted according to the mode of operation. In heating mode air will be distributed at a lower angle due to hot air rising.



Even & Fast Air flow

Free Cool air conditioner improves the difference between high and low indoor temperatures. It allows you to reach your desired temperatures even faster.



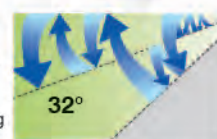
Chaos Swing

The most comfortable airflow for the human body can be found in nature. After analysis, Free Cool has applied the scientific Chaos theory to its air conditioners to effectively reproduce a natural breeze.

The Chaos technology recreates the flow of natural air by controlling the angle speed and movement of the air vane. It also minimizes the temperature difference in the room, creating a more comfortably conditioned environment.



It swings at an angle two times wider than that of the existing Chaos swing, thus minimizing the difference in indoor temperatures and allowing air in every corner of the room.



The angle is twice wider.

4 Way Auto Swing

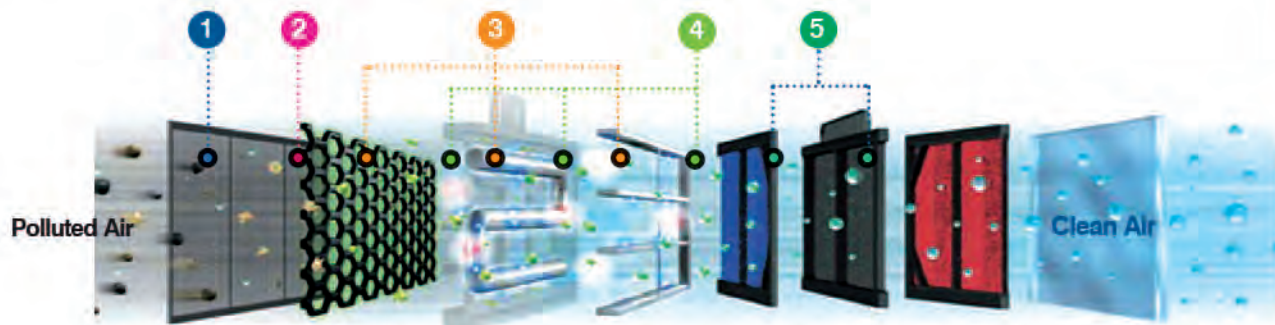
Free Cool air conditioners automatically distribute the air 4-ways to eliminate hot and cold patches to keep the room at a more constant temperature.



Unique features - Free Cool Air Conditioners

Free Cool Air Purifying System

Free cool unique optional Air Purifying system is equipped with 7 specialised filters in 5 separate stages to enhance its cleaning power. It reduces fine dust and mould, unpleasant odours and cigarette smoke as air passes each filter.



1. Pre Filter

The antibacterial pre-filter primarily reduces large dust, mould and quilt dust.

2. Carbon Filter

Carbon filters removes fine odorous particles from the household air resulting in a more pleasant environment.

3. Triple Filter

The triple filter consists of three specialised filters to reduce the symptoms associated with various organic compounds including formaldehyde. It also has the ability to reduce unpleasant odours creating a more comfortable environment.



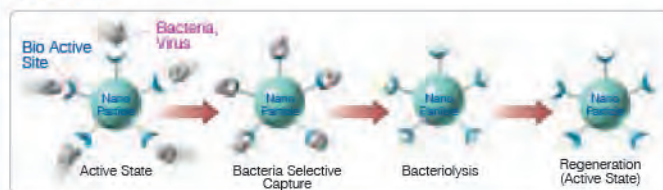
4. Bio Fusion Filter

Bio fusion filters allow their nano-size bio enzymes to directly penetrate through cell walls of some bacteria and allergen to decompose its cell nuclei.

5. Advanced Air Cleaning System

The Free Cool Air Purifying System developed uniquely by Free Cool not only reduces microscopic contaminants and dust, but also reduces house mites, pollen, and pet fur to reduce allergy and asthma symptoms.

Tested



Distinctions from Conventional Filters

* Conventional



Simply inactivate bacteria

* Nano Bio Fusion Filter



Destroy bacteria but allow part of them to survive



The bio enzyme destroys cell walls and nuclei of some bacteria and allergens.





Green
Energy
inside

Free Cool Energy Series Cassette Type type

- Hybrid Solar Air Conditioner
- Anti Corrosion blue Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Heat pump mode
- One-Touch Air Filter (Anti-Bacteria)



Specification

Model no	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCRH-360 CW	12000	3500	13000	3800	≤42	≤52	550	15~23	3.89	13.27
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCRH-372 CW	24000	7200	27000	7900	≤50	≤58	1250	30~48	3.88	13.24
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCRH-3100 CW	36000		40000	120000	≤53	≤58	1700	42~67	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCRH-3120 CW	41000	12000	46000	14000	≤53	≤60	1800	50~80	3.96	13.51
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCFHR-3140 CW	48000	14000	16000	16000	≤56	≤62	1900	58~93	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

Ceiling Cassette Type

Free Cool "Ceiling Cassette" is a indoor unit which is installed in various places such as restaurants, hotels, offices and meeting rooms. This unit has nice outlook and is equipped with many special features. It has four louvers for the air circulation in all directions which maintain even cooling.

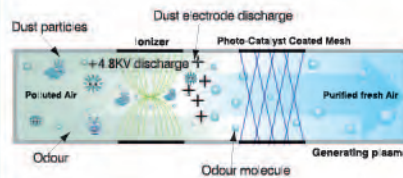
Reducing the symptoms of allergies with less dust and odour.



Free Cool Air Purifying System (Optional)

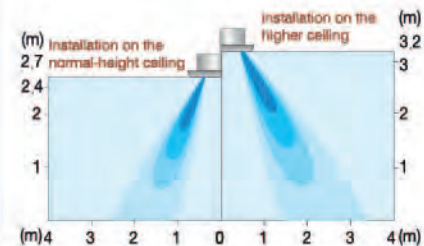
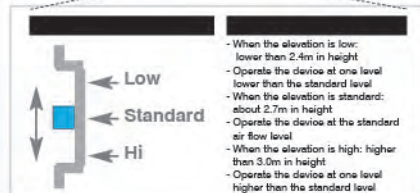
Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms.

With a filter that can be used over and over again by simply washing it, you can enjoy clean fresh air without having to worry about changing the filter every couple of years or so resulting in cost savings.



Function to Control the Air Volume by Ceiling Height

Control of the air intensity has been made possible by employing a height-control algorithm for the interior fan.



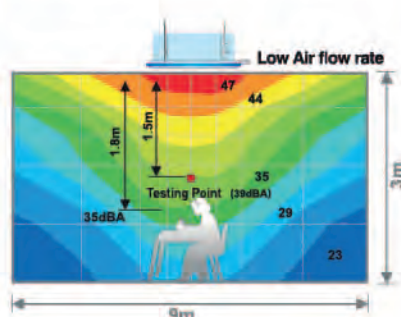


Green
Energy
inside

Ceiling Cassette Type

Application of a High-Efficiency Compact Turbo Fan

The application of a compact turbo fan minimized the size of the unit. It also has improved the air flow and the interior temperature distribution forming a quiet and pleasant environment.



Air Purifying System (Optional)

Free Cool unique Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms. With a filter that can be used over and over again by simply washing, it, you can enjoy clean fresh air without having to worry about changing the filter every couple of years or so resulting in cost savings.

Super Slim Design

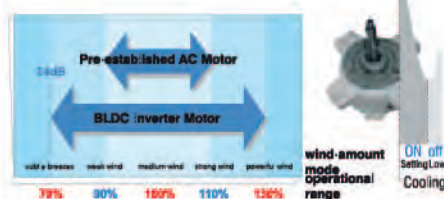
The interior air conditioner with the smallest and the most compact design in the world based on a three-dimensional CAD and CAE computer system has successfully reduced the space it occupies and enabled installation in various spaces.



BLDC Inverter Motor

By using a super-light BLDC inverter we have increased the stability and efficiency of the product with reduced noise level of 24dB.

Variable range of wind of the interior fan motor



Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

- Power waste due to standby power
 - Power is wasted if unit is connected even though the appliance is turned off.
- Development of super power-saving SMPS (Switching Mode Power Supply)
 - Reducing standby power by 90%.



Ceiling cassette type

Long Distance, High Elevation Piping

Free Cool air conditioners (cassette and concealed duct models) can be installed (up to 50m) apart with level difference (up to 30m).



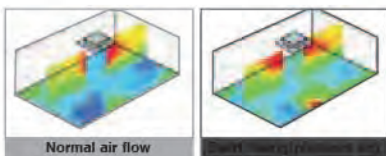
Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

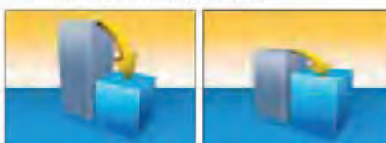
Power waste due to standby power
- Power is wasted if a plug is connected to an outlet even though the appliance is turned off.
Development of super power-saving SMPS (Switching Mode Power Supply)
- Low standby power function reducing standby power by 90%.

Swirl Swing

Swirl swing distributes air evenly throughout the room to ensure a more comfortable conditioned environment by adjusting the movement of the louvers.



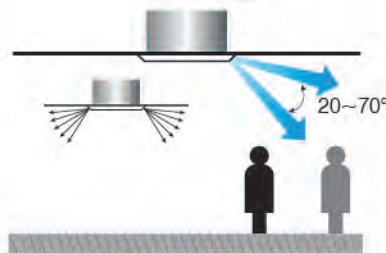
- Comparison of temperatures



Vertical Temp. Differences Horizontal Temp. Differences

Space Control

The vane angle can be set in two positions to give optimum indoor comfort. It can be controlled by wired remote control to eliminate direct drafts which can lead to discomfort and reduced productivity.

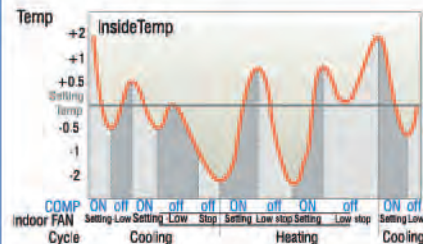


High Ceiling Operation

Depending on the height of the installation, Free Cool air conditioners allow you to vary the speed of the indoor fan motor. When installation is low, the RPM can be reduced, but it can also be increased when the installation is high to ensure optimum comfort levels. The speed can be adjusted via the slide switch on the back of the LCD wired remote.

Auto Changeover

The air conditioner will switch automatically from cooling to heating modes depending on the set temperature.



LCD Wired Remote Controller

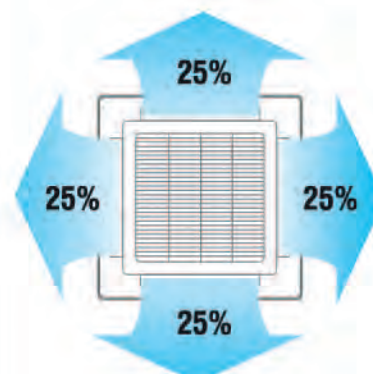
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Option
- Wireless
Remote
controller



Optimal Air Distribution

- Optimal air distribution with 4-way directional Air flow system.
- 4-way Auto Swing

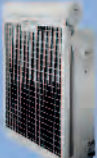
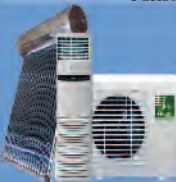




Green
Energy
inside

Commercial Solar air conditioners

The Free Cool Solar Air Conditioner have integrated electro mechanical system utilizing the sun as an additional heat source to assist the energy needed to drive the cooling process of a typical air conditioning system which in turn reduces the electrical consumption required to run the compressor. The Solar Air Conditioning System is similar to a regular A/C in that the refrigeration takes place by evaporating liquid with a very low boiling point. In both cases, when a liquid evaporates or boils, it takes some heat away with it, and can continue to do so either until the liquid is all boiled, or until everything has become so cold that the sub-zero boiling point has been reached.

Type	
Ceiling Cassette Type	 FCHR-3100CW  FCHR-3120CW  FCHR-3140CW
Ceiling Concealed Duct Type	 FCHR-5120 DUCT  FCHR-5130 DUCT  FCHR-5140 DUCT  FCHR-5150 DUCT
Ceiling and Floor Type	 FCHR-4120 FC  FCHR-4140 FC  FCHR-4160 FC
Floor Standing Type	 FCHR-130 FL  FCHR-140 FL  FCHR-160 FL
Free Cool HOutdoor	 FCHS0-145W  FCHS0-175W  FCHS0-175W  FCHR-5130DUCT
Free Cool Trinity system Type	 FCHT- 98777TR  FCHT- 98799TR
Free Cool 100% Solar Air Con Type	 FCDC-S359 W  FCDC-S4579 GT

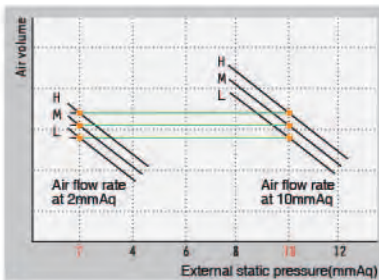
Ceiling concealed duct type

Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure, and interior renovation is made easy with the installation of various ventilation diffusers.

External Static Pressure

Desired Air flowrate is obtained by controlling the phase of motor while installing the product this makes your duct work system flexible.

*E.S.P is easily controlled by remote controller.



Quiet Operation & Easy Service

This product will guarantee you lower sound level and less service expenses.

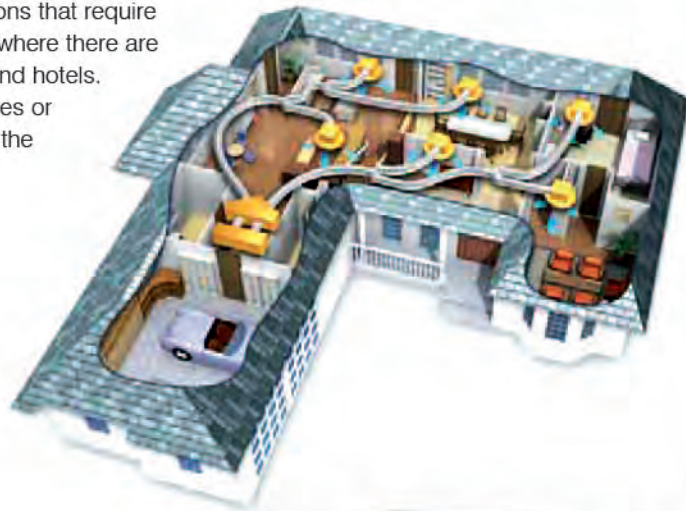


Central Controller

Operation Summary

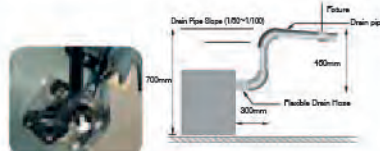
Free Cool units come with advanced control options, take for instance the Central Controller. Designed for the commercial application, where multiple Air Conditioning units have been installed.

You can control or fault find up to 2048 Air Conditioning units (via 8 separate controllers) individually or all together.



High Head Drain Pump

A standard drain-head height of up to 700mm is possible, creating the ideal solution for perfect water drainage.



Weekly Program

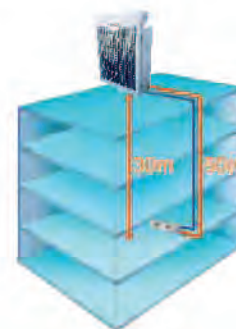
LCD Wired Remote Controller

- ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick



Long Distance, High Elevation Piping

Our Free Cool Air Conditioners(Cassette and Concealed duct model) can be installed (Max 50m) apart with up to 30m level difference.

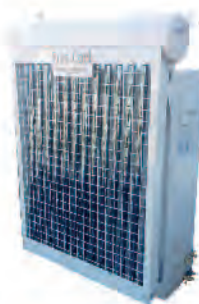




Green
Energy
inside

Free Cool Energy Series Ceiling concealed duct type

- Hybrid Solar Air Conditioner
- Auto Changeover
- Two Thermistor Control • Group Control
- Auto Restart • Hot Start (Heat pump Model)
- Anti Corrosion blue Fin (Outdoor)
- Zone Control (Accessory)
- Central controller (Accessory)



Specification

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR- 572 Duct	24000	7200	27000	8000	≤51	≤58	1800	30 ~ 48	3.82	13.2
	Cooling		Heating		Indoor	Outdoor	AirCirculation	SuitableArea	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR-5100 Duct	36000	10000	40000	12000	≤53	≤58	2500	42 ~ 67	3.87	13.4
	Cooling		Heating		Indoor	Outdoor	AirCirculation	SuitableArea	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR-5120 Duct	48000	14000	55000	16000	≤57	≤60	3500	58 ~ 93	3.96	13.8
	Cooling		Heating		Indoor	Outdoor	AirCirculation	SuitableArea	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCRH-5130 Duct	60000	14000	66000	20000	≤60	≤62	4000	80 ~ 125	3.85	13.3
	Cooling		Heating		Indoor	Outdoor	AirCirculation	SuitableArea	EER	

Specifications subject to change without notice

Ceiling and floor / Ceiling suspended type

Floor / Ceiling Convertible System has the flexibility of multiple installations. The Indoor Unit can easily be mounted on the floor or suspended from the ceiling. The Convertible System features blue Fin protection on the Outdoor Unit & Hybrid Energy Saving Heat Exchanger in the Indoor Unit.

Upgraded Function



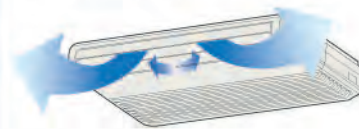
- One Touch Filter & Filter Cleaning Alarm Function
- Power Mode
- Wired Remote Controller (Option)
 - Weekly Program
 - Group control. etc



Airflow Direction Control

Horizontal Airflow Direction Control.

Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



Vertical Airflow Direction Control

The airflow direction can be adjusted as desired by using the remote controller.



Compact Size



Blu Fin Anti Corrosion

Free Cool Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimised corrosion. This maintains heat transfer properties of the coil for an extended time where as non-blue Fin coils progressively lose efficiency due to surface corrosion. Standard on every Free Cool air conditioner, this assists in areas suffering from pollution or near the ocean where the unit may subjected to higher levels of salt.

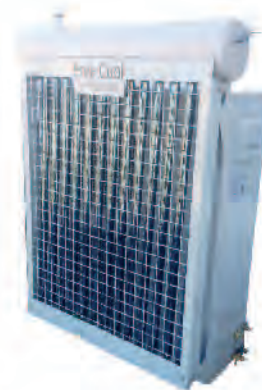
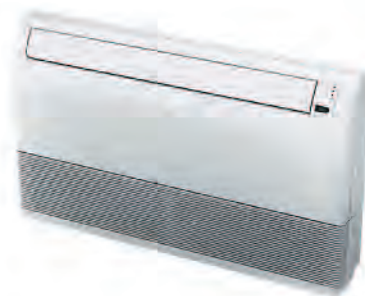




Green
Energy
inside

Free Cool Energy Series Floor And Ceiling Type

- Hybrid Solar Air Conditioner
- Anti Corrosion blue Fin • Auto Cleaning
- Auto Changeover • Jet Cool
- Natural Wind By Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)



Specification

Model no	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHSR-472D FC	24000	7200	27000	7900	≤50	≤58	1250	30~48	3.88	13.24
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHSR-4100 FC	36000	10000	40000	12000	≤53	≤58	1700	42~67	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHSR-4120 FC	41000	12000	46000	14000	≤53	≤60	1800	50~80	3.96	13.51
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHSR-4140 FC	48000	14000	16000	16000	≤56	≤62	1900	58~93	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHSR -4160 FC	60000	18000	66000	20000	≤58	≤64	2500	70~110	3.81	13.01
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

Free Cool Energy Series Floor Standing Type

- Hybrid Solar Air Conditioner
- Air Purifying System
- Anti Corrosion blue Fin
- Auto Swing
- Soft Dry Operation Mode
- 7-Hour OFF Setting Timer
- One-Touch Air Filter (Anti-Bacteria) • Auto Restart
- Electric Heater • Touch Pad
- Electric Heater • Touch Pad
- Jet Cool Operation Wireless Remote Controller



Specification

Model no	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR-130FC	36000	10000	40000	11000	≤53	≤58	1700	42~67	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR-140FC	48000	14000	55000	16000	≤53	≤60	1900	58~93	3.81	13.01
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCHR-160FC	60000	18000	60000	22000	≤54	≤60	2250	80~120	3.81	13.01
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	



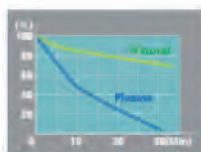
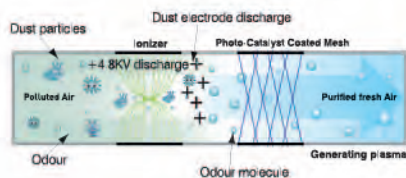
Green
Energy
inside

Floor Standing Type

This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.

Air Purifying System

The Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions. It can also be used as an air-purifying unit even though the air-cooling function is off.



Deodorization
Free Cool unit effectively removes high concentration tobacco odors confirmed in Sensory tests of odor index carried out in Korea and Japan.



Anti-Allergy
In clinical tests, the plasma unit has earned a satisfaction ratio of 82% .
*Evaluated by CSIRO Australia
Tested by Korean Food Research Institute and Japanese Environmental Centre and Yonsei Univ. College of Medicine Allergy Research Lab.)*



Anti-Bacteria Filter

It removes dust in the air as well as bacteria , making the indoor atmosphere healthy.

4-Way Auto Swing (P03AH)

Hot or cold air can be evenly distributed throughout the room as the auto swing function blows air in 4 directions.



Touch Screen Panel



LED MODULE



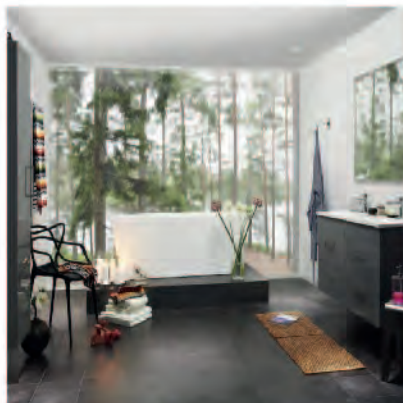
Child Lock Function

This function prevents children or others from tampering with the control buttons on the unit.

- The unit will be controlled only by remote controller.

Duct Operation

Depending on the room size and shape, if the unit is installed in a Duct-type manner you are able to cool more air at the same time to save energy.



Complete Intelligent Running, Easier to Enjoy Comforts.

Automatic Wind Direction Control, Uniform Air Supply
Comfortable Sleeping Mode, Healthy and Energy-saving
Intelligent Dehumidification, Keeps Air Dry and Comfortable
Intelligent Defrosting, Resisting the Freeze
Convenient and Electricity-saving
Intelligent Logical Running
Comfortable Airflow for your choice

Key Points for Reaching High Efficiency

Refrigeration System



High efficiency
and stable
running
compressor



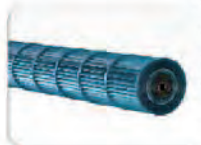
High efficiency and
larger heat
exchanger with
optimized piping
system



Air Flow System



Enlarge air intake
and outlet



Optimized cross fan
design with larger
air volume and
enhanced heat
exchange efficiency



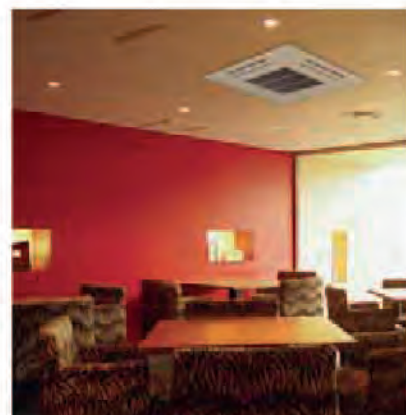
Optimized axial fan
design with larger
diameter to increase
air volume and
enhanced heat
exchange efficiency

Control System



Cutting-edge chip for precise
inverter control

High efficiency
electronic expansion
valve (EEV) controls
refrigerant flow
precisely





Green
Energy
inside

Free Cool Multi Series Wall Mounted Multi Indoor

- Hybrid Solar Air Conditioner
- Multi in door unit
- Anti Corrosion Blue Fin
- Natural Wind Operation
- Wireless Remote Controller • Sleep Operation
- Auto Changeover • Soft Dry Operation
- Auto Restart



Specification

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCH 1120FJ T2	244000 (12000 + 12000)	7200	26000	8000	≤42	≤58	500	42 ~ 67	3.87	13.02
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCH 125FJ T3	27000 (9000 + 9000 + 9000)	9000	30000	10000	≤44	≤60	500	50 ~ 80	3.96	13.51
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCH 130FJ T3	36000 (12000+12000+12000)	10000	36000	12000	≤45	≤60	600	58 ~ 93	3.87	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCH 140FJ T2	48000 (24000 + 24000)	14000	6000	16000	≤48	≤62	800	80 ~ 125	3.85	13.2
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

Specifications subject to change without notice

Multi split air conditioners

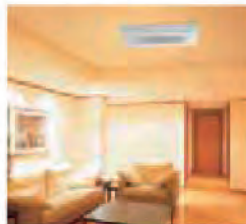
- Up to 50to 70% Energy Saving
- Top Class Energy Level
- Quick Cooling & Heating
- Comfortable
- Long & High Elevation Piping
- Compact Size, easy Installation



Multi Split Air Conditioners



For Commercial Sites



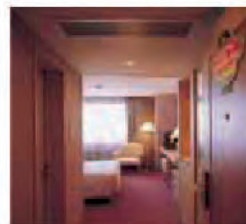
1-way Ceiling Cassette Type



4-way Ceiling Cassette Type



Ceiling Concealed Duct Type (High)



Ceiling Concealed Duct Type (Low)



Ceiling Concealed Duct Type (Built-in)



Ceiling & Floor Type

For Residential Sites





Green
Energy
inside

Free Cool 100% Solar Series



Solar Powered Air conditioner

- Electricity lower cost.
- Construct and market an efficient solar powered air conditioner which uses a practical energy source
- Specific approach in marketing , funding, and regulation

Free Cool Solar Air Conditioner are designed to decrease utility bills with the use of solar panel installations. These solar panels are integrated directly the air conditioner.

SunSource air conditioners are estimated to provide up to 91 percent of annual operation cost savings. Solar energy systems use solar modules to collect the sun's energy and convert it into electricity that can be used to power the air conditioners and other parts of the home. Excess energy will be returned to utility company.

With up to 56 percent of a typical U.S. home's energy bill resulting from heating and cooling, Free Cool AC's commitment to the use of solar energy has been a top priority for the company. The solar AC systems are environmentally friendly and provide significant reduction of energy costs.

Solar air conditioning

"We are focused on being an energy efficient organization and pride ourselves on providing green solutions for our customers," said co-owner Ben Hubbert. "Solar air conditioners are the wave of the future for the HVAC industry. The ability of the systems to integrate solar power into the utility of the home will be beneficial for residents across the map."

The systems Free Cool Solar Air Conditioner offers a technology twist with the ability to monitor the performance of the system and view system status and various other environmental benefits

One area where one can cut back on expenses is by tapping into the vast source of solar energy. Solar power is unlimited since it comes from the sun. Plus it doesn't cost anything if you can find a way to tap into that energy. The payback period for solar air conditioning units can be relatively short based on state and federal incentives that may be offered. Many tax incentives are only extended to businesses. In that case, the payback period would increase. In some states, the pay off time may be as little as two years. The average time for a family of four to pay off their system is between four and six years.



Free Cool Integrated with Renewable energy systems

Green
Energy
inside



Advantages of Solar Energy

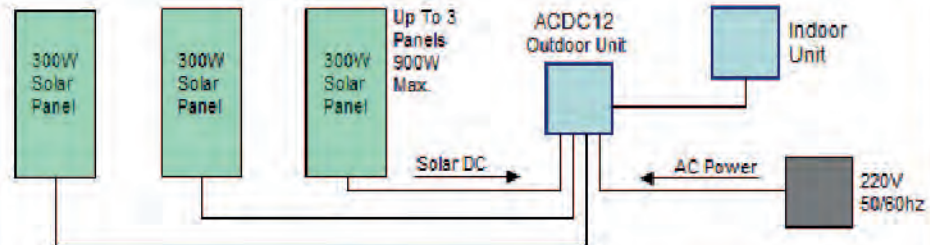
The Free Cool pure solar air conditioning adopt DC power, dc inverter solar powered, which is clean energy and renewable energy from the sun so it is energy-saving and eco-friendly, no need any electricity consumption! In a word, it is a air conditioner no electricity. The solar power air conditioner 100% can work only solar power from solar panel and battery.

Don't worry in cloudy or rainy day, this split 100% solar air conditioner for home can work for 4 hours to 12 hours by using battery power, which is store in battery during sunshine time.

Now you can see the dc solar powered air conditioners is an evolutionary technology.

More for this dc solar powered air conditioners you will interested warranty: 3 years for aircon compressor, 1 year for whole unit. kindly note: The solar mini split air conditioners use 48v dc air conditioner compressor or 12 volt air conditioner compressor. Installation and operation is easy as normal air conditioner.

Free Cool Solar Energy



Solar Air Conditioning Cooling & Heating Augmentation

Solar Air Conditioning Cooling & Heating Augmentation

Augmenting a space heating or cooling system with solar makes perfect sense. In addition to heating or cooling a small area, it allows you to add capacity to an existing system, or reduce the load on an existing system, either or both of which can save you money and add comfort. Solar augmentation also allows offsetting of higher daytime electricity rates and reduces the amount of early evening catch-up required by the normal system. The ACDC12b hybrid solar air conditioner allows you to add comfort without adding cost, and can sharply cut your daytime heating and cooling bills.

100% Solar Powered Air Conditioner Main features:

Off-grid mode

- * 100% driven by solar energy, 100% energy saving
- * DC power drive, no AC power required.
- * Deep cycle batteries as energy bank for overnight operation, over 8 hours' back up time.
- * DC inverter permanent magnet compressors
- * DC brushless indoor and outdoor fan motors
- * Lowest energy consumption, lowest noise level
- * Lowest energy loss, SEER>19
- * R134a CFC free refrigerant, Eco-friendly
- * Short investment recovery period

100% solar Air Conditioner for home power systems

For Residential Sites



Solar Power cabinet with Controller, MPPT





Green
Energy
inside

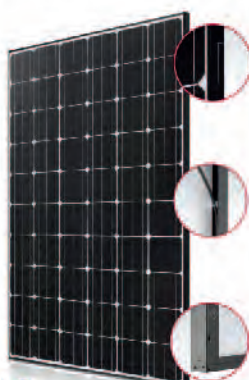
Free Cool Integrated with Renewable energy systems

Advantages of Solar Energy

Solar energy from the sun provide consistent and steady source of solar power throughout the year. As our non-renewable resources are set to decline in the years to come, it is important for us to move towards renewable sources of energy. The main benefit of solar energy is that it can be easily deployed by both home and business users as it does not require any huge set up like in case of wind or geothermal power. Solar energy not only benefits individual owners, but also benefit environment as well. Solar energy is one of the most widely used renewable energy source.

Solar energy is a resource that is not only sustainable for energy consumption; it is indefinitely renewable (at least until the sun runs out in billions of years). Solar power can be used to generate electricity; it is also used in relatively simple technology. Free Cool DC Air Conditioner and Refrigerator and freezer will be integrated with renewable energy systems. The use of skylights in home construction can also greatly reduce energy expenditure required to light rooms in a home's interior during the day.

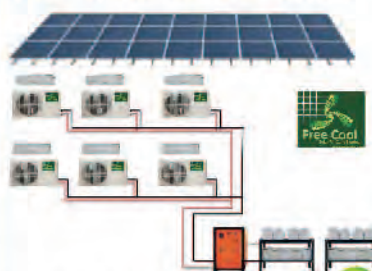
Free Cool solar cooling systems After installation and optimization they are very reliable due to the fact that they actively create electricity in just a few millimeters and do not require any type of mechanical parts that can fail. Solar panels are also a silent producer of energy, a necessity if dealing with picky neighbors. The federal government has also introduced generous tax credits for individuals and companies that invest in solar and other clean energy systems



Free Cool Solar Energy



For Commercial Sites



100% Group Solar Air Conditioner



On Grid Solar Group Air Conditioner



For Residential Sites



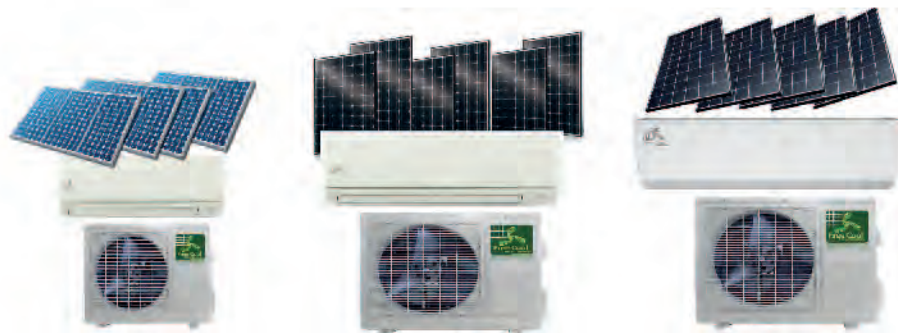
100% solar Air Conditioner for home power systems



Solar Power cabinet with Controller, MPPT

Free Cool Solar Power Series

- 100% Solar Power System • no AC power required
- Wireless Remote Controller • Auto Swing
- Soft Dry Operation Mode • 7-Hour OFF Setting Timer
- One-Touch Air Filter (Anti-Bacteria) • Auto Restart
- Child Lock Function • Anti Corrosion Fin (Outdoor)
- Electric Heater • Touch Pad



Specification

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCDC S356 W	9000	2600	10000	2800	≤40	≤50	450	10-15	4.59	15.79
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCDC S357 W	12000	3500	14000	3800	≤42	≤52	500	12-25	3.89	13.33
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCDC S358 W	18000	5200	20000	6000	≤44	≤55	850	20-35	4.00	13.85
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	

	Btu/h	W	Btu/h	W	dB(A)	dB(A)	m³/h	m²	W/W	Btu/h/w
FCDC S359 W	24000	7200	27000	7900	≤50	≤58	1050	30-48	4.00	13.85
	Cooling		Heating		Indoor	Outdoor	Air Circulation	Suitable Area	EER	



Green
Energy **inside**

Free Cool
Solar Air Conditioning
www.freecoolsystems.com

Free Cool 100% Solar Refrigerator & Freezer

Feature

No AC Inverter needed
Input voltage automatic recognition
Environmental friendly CFC-free
refrigerant (R-134a)

Low power consumption

Automatically low voltage cut out to protect batteries
Using AC power through AC/DC adaptor 0°C-10°C (32°F-50°F) for refrigerator compartment
Max -18°C (-0.4°F) for freezer compartment at 30°C (86°F) ambient temperature



Home Use

100% Solar Refrigerator

Ultra energy efficient solar (Battery) powered freezer
AC solar powered refrigerator
AC Compressor portable Fridge & Freezer

DC 12v/24v, AC 110v-240v
Digital control panel
Power: 45W
Volume: 45L in total, 12L for fridge
Auto shut off when voltage is low
Up to 55°C below ambient temperature
CFC free refrigerant R134a
Product dimension (mm): 686*483*470

- **100% Energy Saving**
- **Top Class Energy Level**
- **Quick Cooling**
- **Comfortable**
- **Long & High Elevation Piping**

Free Cool identifies products that feature especially groundbreaking technology and top efficiency, paired with extremely low consumption rates in energy, water or other natural resources. And that – like all Bosch products – are manufactured according to ecological criteria. All our work is focused on maintaining trust and integrity, promoting people's health and respecting our environment and natural resources. A commitment recognised. Respect for man and nature is at once an obligation and impetus to develop increasingly efficient household appliances, produced in observance of ecological criteria.

For Commercial Sites



Lice creme Shop

For Residential Sites



Free Cool Solar Refrigerator



Feature

High quality DC compressor

CFC-free refrigerant (R-134a)

Low power consumption

Battery over discharge protection

Upper refrigerator apartment and lower freezer apartment for models

FCF-AK158, FCF-AK176 and BCD198

Upper freezer and lower refrigerator for models FCF-AK118 and FCF-AK142

Max -18°C (-0.4°F) for freezer Compartment at 30°C (86°F) Ambient temperature

DC12V/24V automatic recognition AC/DC operated

0°C-10°C(32°F - 50°F) for refrigerator compartment High temperature resistance and energy saving design

Specification

Model		FCF-KA118	FCF-FA142	FCF-JA158	FCF-AF176	FCF-HA198
Power Consumption		65W	65W	65W	65W	72W
Input Voltage		DC12V/24V				
Work Temperature		<45°C				
Capacity	Fridge Capacity	76L(2.68c.f.) (Bottom)4	100L(3.53c.f.) (Bottom)4	98L(3.46c.f.) (Upper)60	116L(4.10c.f.) (Upper)60	118L(4.17c.f.) (Upper)
	Freezer Capacity	2L(1.48c.f.) (Upper)	2L(1.48c.f.) (Upper)	L(2.12c.f.) (Bottom)	L(2.12c.f.) (Bottom)	80L(2.83c.f.) (Bottom)
Product Size(mm)		470×495×1165	470×495×1265	500×550×1370	500×550×1450	500×550×1580
Carton Size(mm)		505×535×1205	505×535×1305	555×605×1430	555×605×1505	555×605×1680
N.W./G.W.(KG)		30/33	32/35	41/45	43/47	44/49



Green
Energy
inside

Free Cool Solar Freezer



Feature

High quality DC compressor
CFC-free refrigerant (R-134a)
Low power consumption
Battery over discharge protection

DC12V/24V automatic recognition
AC/DC operated
Baskets for food organization
High temperature resistance and energy saving design

Max -18°C (-0.4°F) for freezer Compartment at 30°C (86°F) Ambient temperature

Specification

Model	FCF-FA90	FCF-RK138	FCF-AM188	FCF-ZR238	FCF-TH318
Capacity	90L	138L	188L	238L	318L
Input Voltage	55W	55W	65W	72W	72W
WorkTemperature					
Carton size(mm)	577*600*865	912*600*870	1106*626*900	1106*672*980	1333*703*980

Water from Air Integrated Renewable water systems

Atmospheric water generator

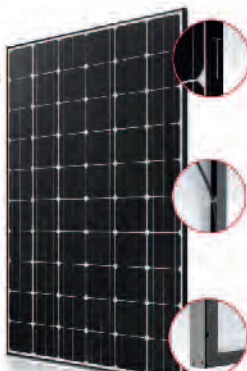
Safe potable water is essential for health. We sometimes take our water supply for granted.

Do you regularly buy bottled water for your household? Did you know that an average household spends over 4 times as much a year on bottled water, over creating their own water from the air with Free Cool? And think of all the plastic bottle waste you are preventing

Are you a leader in the green or sustainability community? Do you see the benefits in promoting this technology to teach the future generations that there are solutions to help hydrate people and save the planet from plastic waste?

Do you live in a town where you rely on well water, and the wells are drying up? Sounds like you need to create water from the air to supplement your drinking water, and even your entire household's water supply.

Are you currently under mandatory water restrictions, and worry about the fate of your urban garden, flower beds, or greenhouse? One of Free Cool's small industrial units can create water every day that you can use for watering your plants.



Free Cool water generator



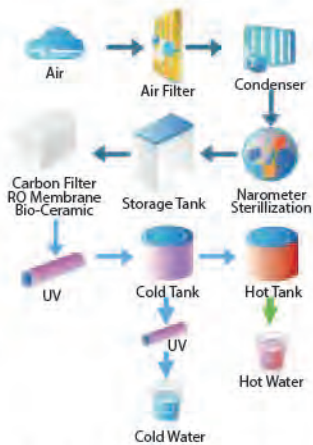
Residential Rewater Generator

Super large LCD touch screen, user-friendly design, intuitive and convenient operation.

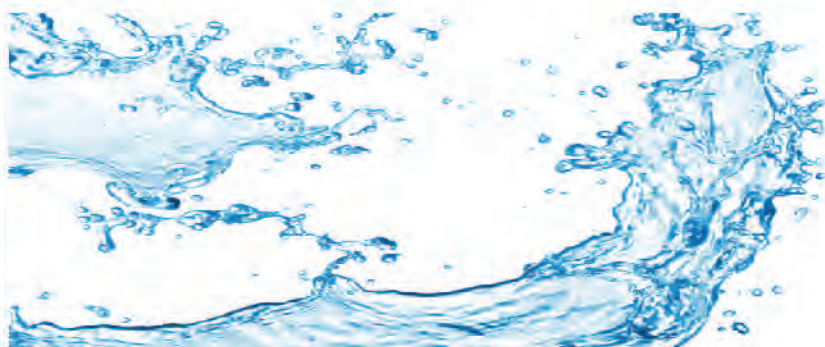
- The machine is "a new", state of the art water generating machine which takes moisture out of thin air and turns it into pure drinking water.
- The Multi-stage filtration system not only Effectively removing the acid characteristics contain the necessary microelement and minerals. 5 stages filtration system. The reverse Osmosis is imported from USA and Korea
- The multi-stage filtration system ensures the purest drinking water by using the "Reverse Osmosis" technology and "Ultra Violet" lights in the water circulation system.

The Atmospheric Water Generator is a humidity and temperature driven machine. This means the machine totally depends on the level of humidity in the air and the temperature to produce water. Ideally, the humidity level should be at least 50% or above to achieve the machine's optimum performance.

In places with lower humidity level, the machine will still produce water, but not as quickly, nor as much as in places with high level of humidity. Higher level of humidity most commonly near an open window or lower level basement.



Did you know that Free Cool atmospheric water generators are perfect for places with scarcity of water, around the world. They create water that can be used to fill canteens and water buffalo tanks, and provide the people with their minimum daily requirement of water.





Green
Energy
inside

Commercial Atmospheric Water Systems

Atmospheric water generator

Free Cool Atmospheric water generator is a high tech product, making drinking water without resorting to any water source, this high tech state of the art machine is fit for an army base airport, hospital, schools, homes, business, "anywhere". Our Atmospheric water generator is good for developing countries that do not have clean drinking water resources available

How to transform air into pure water?

The ATMOSPHERIC WATER GENERATOR SYSTEM is a new, state of the art air to drinking water generating machine which takes humidity out of the air you breathe and turns it into pure drinking water.

How many liters does it produce per day?

These systems can produce up to 36 liters of water in a 24-hour period and could store up to 16 liters. All water produced depends on the wattage, air temperature and air humidity.

Free Coll largest water generator enables users to create up to 5000 liters of pure drinking water, right out of the atmosphere every day, requiring no piped in water. Our systems come in four models offering different capacities. Each model can be placed on top of buildings, as well as on ground level. In addition, the machines are scalable. So they can be placed in sequence to fulfill the most sizeable water requirements.

The Atmospheric water generator has been designed to work outdoors in most hot or humid climates worldwide with humidity levels of 35% to 90%. Our Atmospheric water generators provide daily Safe drinking water affordable.



www.freecoolsystems.com

Free Cool water generator



For Commercial water generator

WATER FROM AIR

FREE COOL INDUSTRIAL ATMOSPHERIC WATER GENERATORS

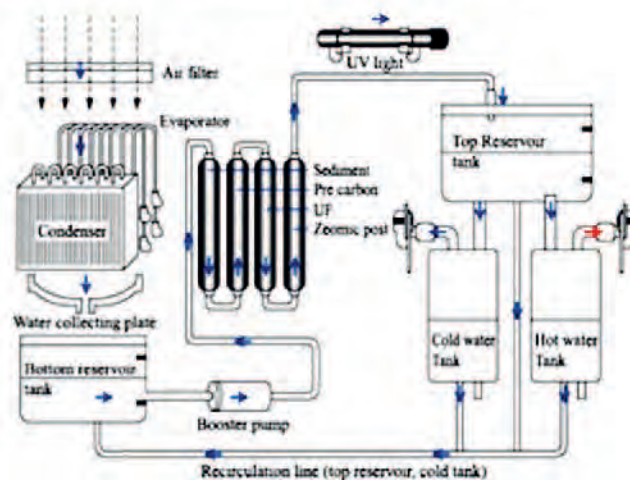
Up to **10000 LITERS A DAY**

- REVERSE OSMOSIS
- UV LIGHT STERILIZATION
- ALKALINE OPTION
- SOLAR OPTION
- SCALABLE
- HUMAN MACHINE INTERFACE
- PROGRAMMABLE LOGIC CONTROL



Did you know that Free Cool atmospheric water generators are perfect for places with scarcity of water, around the world. They create water that can be used to fill canteens and water buffalo tanks, and provide the people with their minimum daily requirement of water.

Commercial rewater generator



Moisture in the air → Air Filter → Evaporator → EVA guide → Tubing hose → Bottom reservoir Tank → Three way solenoid valve → Booster pump → Micro sediment filter → Pre GAC filter → UF Membrane Filter → Post ZGAC filter → UV lamp → Top reservation tank → Hot & Cold tank → Bottom reservation tank (re-circulation system)

Atmospheric Water Systems



The Free Cool atmospheric water generator is a device that extracts water from humid ambient air. Water vapour in the air is condensed by cooling the air below its dew point, exposing the air to desiccants, or pressurizing the air. Unlike a dehumidifier, an AWG is designed to render the water potable. AWGs are useful where pure drinking water is difficult or impossible to obtain, because there is always a small amount of water in the air that can be extracted.

The extraction of atmospheric water may not be completely free of cost, because significant input of energy is required to drive some AWG processes. Certain traditional AWG methods are completely passive, relying on natural temperature differences, and requiring no external energy source. Research has also developed AWG technologies to produce useful yields of water at a reduced energy cost.

Specification

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG9A	15 L	35%-95%	4-10°C	8.8L	45*43*66cm	15°C~ 40°C	39kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG10A	28 L	35%-95%	4-10°C	12.5L	40*40*120cm	15°C~ 40°C	53kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG5A	28 L	35%-95%	4-10°C	16	41.5*5*112cm	15°C~ 40°C	78kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			



Green
Energy
inside

Commercial Atmospheric Water Systems



The Free Cool atmospheric water generator is a device that extracts water from humid ambient air. Water vapour in the air is condensed by cooling the air below its dew point, exposing the air to desiccants, or pressurizing the air. Unlike a dehumidifier, an AWG is designed to render the water potable. AWGs are useful where pure drinking water is difficult or impossible to obtain, because there is always a small amount of water in the air that can be extracted.

The extraction of atmospheric water may not be completely free of cost, because significant input of energy is required to drive some AWG processes. Certain traditional AWG methods are completely passive, relying on natural temperature differences, and requiring no external energy source. Research has also developed AWG technologies to produce useful yields of water at a reduced energy cost.

Free Cool AWG can produce Up to 10000 liters per day.

Specification

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG100	100 L	35%-95%	+10°C	100L	4142*65*105cm	15°C~ 40°C	190kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG200W	200 L	35%-95%	+10°C	110.5L	128*72*160cm	15°C~ 40°C	320kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			

	Making Capacity	Humidity Range	Cold Water Temperature:	Storage Capacity	Machine size:	Temperature Range:	Net Weight
FCWG500W	500 L	35%-95%	+10°C	240L	146*85*235cm	15°C~ 40°C	59kg
	24 in Hours		Cold Water Temperature:	stainless steel bottom tank			



Multitasking Corporation LTD
Multitasking Inductor Electronics LTD
647, Yeogsam-Dong, Gangnam-gu, Seoul, Korea
Email: Info@freecoolsystems.com
www.freecoolsystems.com

220-1821 Wellington Ave, Winnipeg, MB R3H 0G4, Canada
Email: canada@freecoolsystems.com

P.O.Box:122815,Sharjah. U.A.E.
Email: uae@freecoolsystems.com

Rm. 19C, Lockhart Ctr, 301-307
Lockhart Rd, Wan Chai, Hong Kong.
Email: hk@freecoolsystems.com

Dukdalfweg 51 NL - 1042 BC AMSTERDAM
Email: Europe@freecoolsystems.com

GPO Box 4967 Melbourne Victoria 3001 Australia

Authorised Distributor / Dealer

Green
Energy 
inside

