10 YEARS EXPERIENCE

Regd. By Govt. Of India.

KAYAM™

Solar Hybrid Airconditioner
ISO Certified Company



Smart Cooling !
Smart Savings !!





UPTO **60%** ENERGY SAVING

www.kayamsolar.com

Help Line :- +91 98299 22208





COMPANY INTRODUCTION

Kayam Solar is India's largest solar air-conditioning company. It fulfills the needs of a large number of corporate and commercial customers and has also established leadership in the field. The Company ensures that the products have consistent quality and reliability.

Kayam Solar primarily focuses on the corporate and commercial markets. These include institutional, industrial and government organizations as well as commercial establishments such as showrooms, restaurants, banks, hospitals, theaters, shopping malls, boutiques and Etc.

We believe that technological innovation is the key to success in the market place. With our commitment to innovation and assertive global business policies our aim to become a leader eco-friendly products and making them reach your Doorsteps. PWD Approved Product And now presenting before you the world's No.1. Hybrid solar air conditioner.

We are proud to introduce before you the new hybrid solar air conditioner with the power of traditional products and high unimaginable capability to save power, save energy for the generations to come. We compete with the international standards and put towards you a challenging variety of product that are superior to the conventional type air conditioner.

The key to our success road is the satisfaction of our customers. So as a foremost concern and analytical study we have bought an end to the ever distributing noise produced by the traditional air conditioners. The anti dust air filter keeps the air fresher, heal thier and safe for use. The more attractive features are the digital e touch which makes it convenient for use and electricity savings. It's also embedded with fluorescent button which is visible at night.

We Offer The Best Branded Compressor With High Reliability And Long Lived. The outdoor unit has a duel Multifold heat exchanger and four fold evaporator with a high quality internal thread copper pipe and hydrophilic foil making the cooling capacity double than the conventional type air conditioner.

Our aim is to be an outstanding supplier of energy of energy savings, eco-friendly and healthy products and by following our best quality service.







Kayam Solar Vision

- Delivering 'BEST IN CLASS' Quality In The Product After Sales And Service.
- Being 'ENVIRONMENTALLY CONSCIOUS' In Areas Of Energy Efficiency And Pollution.
- Remaining Embedded In Our Core Values Of Environmental Helth & Safety And Ethics.
- To Reduce The Consumption Of Electricity



Performance and Characteristics

- High efficiently, Energy-Saving, Comfortable And Money Saving, Exceeding National First Grade Energy Standard.
- Durable and Long-lived, Smooth Running.
- Low-loaded Operation of the Compressor to Extend Its Duration.
- Healthy And Comfortable Constant Temperature And Keeping Away The Normal Health Problems That Arises. It Is Not Frequent Conversion Air Conditioner But Superior to it Because Conventional Type Begins To Save Energy When The Indoor Temperature Reaches The Set Value, While The Hybrid Solar Air Conditioner Runs In The Optimal State Immediately After Starting And it Achieves The Same Effects Of Traditional Air Conditioner With Less Power Consumption.
- Super Luxurious Appearance Decorates Your Home.
- Easy Installation, Same As The Traditional Air Conditioner With Strong Adaptability, Kayam Solar Hybrid Air Conditioner Can Run At Super Low And High Temperature -70˚C to 53˚ C. Eco Friendly To All Kids Of Environment.
- Indoor Panel Adopts Aluminum Alloy And Write During Metal Colour Brand To Make Your House More Sparking. Automatic Open And Close Dustproof Air Outlet.

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Why Hybrid Solar air conditioner can SAVE electricity?

Here are the reasons.....

Firstly, it absorbs solar energy to heat the inside medium by using a vacuum solar collector. The refrigerant from the compressor goes through the copper coil inside the collector and undertakes a heat exchange. The refrigerant exchanges heat with the medium inside. The solar collector will go through a cycle inside the system for cooling and heating.

Secondly, it adapts a highly efficient heat-exchange system. The use of the internal thread pipe, hydrophilic aluminum fin and the optimal heat exchange system reduce energy loss, improve the overall efficiency and effectively ensure the performance. There, hybrid solar air conditioner is more convenient and energy saving than regular air conditioner.

High Efficiency Rotary Compressor

Every Kayam Solar Hybrid Air Conditioner Uses Highly Energy Efficient Rotary Compressor With A Bult In Accumulator. This Compressor is Specially Designed To Deliver Maximum Cooling While Using Low Power And Helps You Save Your Power Bills.

Powder-Coated Outer Body

Every Kayam Solar Hybrid Air Conditioner Outdoor Units Have Been Built Keeping In Mind The Harsh Indian Climatic Conditions. The Metal Bodies Of The Units Use Galvanized Steel And Are Coated Whit Polyester Power Paint. The Projects Them From Rusting And Increases Their Life Significantly.

Anti-Corrosive Blue Fin Copper Condenser

Special AntiCorrosive Blue Fins Are Used In Copper Condenser To Resist The Corrosion Of Condenser Thus Increasing The Ac's Life.

Smart Cooling Smart Saving

Kayam Solar Hybrid Hi-Wall Split Air Conditioners Offers You The Dual Advantage Of High Performance Cooling And Low Electricity Bills.

Compare to current Products.....

- Conventional air conditioner consumes too much, users have to pay a heavy electricity bill.
- Photovoltaic (PV) system costs a large amount of money to build up.
- Thermally driven absorption cooling is also very costly and its cooling capacity is not enough.

The differences between our solar air conditioner and conventional Air Conditioner as follow.....

- We use two groups of condensers, other conventional air conditioner use only one condenser
- We use 100% copper pipe, some conventional air conditioner use aluminum pipe.
- We use 4 fold evaporator conventional air conditioner use 1 or 2 fold evaporator
- We use branded compressor, some conventional air conditioner don't use brand name Compressor

It can stand heat into 53ºC outdoor temperature; some conventional air conditioner will shut down at this temperature.



Wide Airflow & Great Cycle Air

Brush away the clouds and you will see the marvelous spacious sky sitting on the clouds and the free space amuses you with wild air flow and great cycle air Kayam Solar hybrid solar air conditioner transmits the fresh air evenly to each corner in the room slows down your rapid footsteps, realizes your pressure, claims down so that you can return to the initial freedom physically and mentally after a busy day



I am the King of My Sky!

World famous brand compressors, high reliability and long-lived Digital LED display. Multi-fold heat Exchanger, High Quality Internal Thread Copper Pope And Hydrophytic Aluminum Foil Make The Cooling Capacity Stronger. Anti Dust Air Filter Makes Air Fresher. Digital E-Toch, Convenient And Electricity Saving, Easily Accessible By Elder People And Kids. Fluorescent Button, Visible At Night. Intelligent Defrosting.



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Specification Sheet Solar Hybrid Air Conditioner

Model			KSC-26GW	KSC-35GW	KSC50GW	KSC-70GW
Cooling Capacity	BTU		9,000	12,000	18,000	24,000
	Horse Power		1.0	1.5	2.0	3.0
	Ton		0.75	1	1.5	2
Power Supply			220V/50Hz/1Ph			
Performance						
Capacity	Cooling	Btu/h	9000	12000	18000	24000
		W	2600	3200	5200	7200
	Heating	Btu/h	10000	13500	19000	26000
		W	2900	3500	5700	7900
Noise	Indoor	db(A)	<40	<40	<48	<50
	Outdoor	db(A)	<50	<50	<56	<58
Air Circulation		m^3/h	510	520	≥1000	1100
Suitable Area		m^2	12~16	15-30	25~35	30-50
EER		w/w	3.77	4.1	3.82	3.89
COP		w/w	4.08	4.43	4.19	4.27
Power						
Input power	Cooling	W	690	780	1360	1850
	Heating	W	710	790	1360	1850
Rated Current	Cooling	A	3.14	3.55	6.18	8.41
	Heating	A	3.23	3.59	6.18	8.41
Dimensions						
Indoor Unit	Net	mm	845*325*228	845*325*228	1015*335*200	1090*325*245
	Package	mm	905*370*283	905*370*283	1065*375*255	1145*375*305
Outdoor Unit	Net	mm	820*320*540	820*320*540	920**355*600	920*375*730
	Package	mm	885*360*600	885*360*600	995*390*650	1025*395*750
Weight						
Indoor unit	Net/Gross	kg	10.5/13	10.5/13	14.5/18.5	18.5/19
Outdoor unit	Net/Gross	kg	33/36	35/38	51/56	61/66
Flat Panel						
Dimensions	Net/Gross	mm	1000*550*87	1000*550*87	1000*550*87	1000*550*87
Weight	Net/Gross	kg	14/16	14/16	14/16	14/16
Container loading quantity	1x20' GP	sets	108	75	62	51
	1x40' GP	sets	243	167	139	116
	1X40"HQ	sets	295	203	169	141

Note :- Parameters in the table are measured under standard conditions. Changes many appear according to real working state.

Working principle:

In solar air conditioner, solar collector collects heat from the sun and heat the water inside the tank. High temperature high pressure steam (Freon) com e from the compressor the high temperature high pressure steam (Freon) will go to the copper coil of the solar collector for heat exchange.The solar collector makes the high temperature high pressure steam (Freon) into the higher temperature and higher pressure. in short, the solar collector helps the compressor to make the temperature and pressure higher. That is why the solar air conditioner can save electricity and increase the energy eficiency when cooling



How to save energy at night:

The tank is well insulated so it can keep the gas warm without sunshine for more than70 hours.

Warranty:

We will offer 5 years guarantee for compressor and one year warranty for indoor units and assure 100% support for the after sale service. Your feedback will be much appreciated

Kayam Solar Ac Compared To Other Five Star Ac

Capacity	Product	BTU	Cooling (Watt)	Power (Watt)	EER	12 Hrs Per day Unit	24 hours Per day Unit	12Hrs Saving unit	24 Hrs saving unit	Total Savings Rate %
.75 Ton	5 star Non solar A/C	9000	2600	810	3.26	6.90	13.80			
	Kayam Solar Hybrid A/C	9000	2600	690	3.77	2.84	5.25	4.06	8.55	60%
1 Ton	5 star Non solar A/C	12000	3500	1120	3.14	8.90	19.04			
	Kayam Solar Hybrid A/C	12000	3500	780	3.79	3.60	6.75	5.30	12.30	60%
1.5 Ton	5 star Non solar A/C	18000	5200	1570	3.36	13.35	26.70			
	Kayam Solar Hybrid A/C	18000	5200	1360	3.82	5.64	10.58	7.71	16.12	60%
2 Ton	5 star Non solar A/C	24000	7200	2108	3.40	17.90	35.84			
	Kayam Solar Hybrid A/C	24000	7200	1850	3.89	7.40	13.89	10.50	21.95	60%

Note :- Parameters in the table are measured under standard conditions. Changes many appear according to real working state.



Kayam Solar Corporation Private Limited

Kayam Care : +91 90 24 254 254

www.kayamsolar.com | +91 98299 22208 | +91 1562 254 254

www.facebook.com/kayamsolar | www.twitter.com/@kayamsolar | www.linkedin.com/kayamsolar

Regd. Office :
Near Masjid Kayamsafa,Ward No 31
Churu 331001(Rajasthan) INDIA
Kayam Care : +91 9024 254 254
Help Line : +91 982 99 22208

Corporate Office : Rajasthan
Near Pankha Circle, Market Road,
Churu 331001(Rajasthan) INDIA
Tel. & Fax +91 1562 254 254
Kayam Care : +91 9024 254 254
Help Line : +91 982 99 22208

Factory 01 :
Kayam Solar Corporation Pvt Ltd.,
Road No 14 VKI, Industrial Aria,
Jaipur (Rajasthan) INDIA
Kayam Care : +91 9024 254 254

Factory 02 :
Kayam Solar Corporation Pvt Ltd.,
Road No 3, Opp. Nagana Factory Jothwara
Industrial Aria, Jaipur (Rajasthan) INDIA
Kayam Care : +91 9024 254 254

Factory 03 :
Kayam Solar Corporation Pvt Ltd.,
Sector -35 (HSIIDC)
Gurgaon (Hariyana) INDIA
Kayam Care : +91 9024 254 254

Factory 04:
Kayam Solar Corporation Pvt Ltd,
Surat Special Economic Zone
Sachin-Dist. Surat 394230
(Gujarat) INDIA
Kayam Care : +91 9024 254 254