S.R.ELECTRONICS

(SOLAR AIR CONDITIONER WITH COOLING & HEATING)

SAVE THE WORLD FROM GLOBAL WARMING

Introduction:-

Our Solar Air-conditioner at an economically competitive level could reduce electricity costs for residential and small commercial customers by 35 % - 50 %. This would cut the growth of peak electric demand and ease the increasing pressures on generating capacity, transm ission, and distribution. Clients can save the electricity cost within few years to cover the cost of the Solar Air-Conditioner.

Abstract

ALTEK - Solar Air Conditioner absorb solar energy to heat the inside medium by using solar collector. Heated medium, goes to the compressor of the Air-conditioner, which consumes most of the electricity. The heated medium will release the compressor to save electricity. Higher temperature the medium is the higher Coefficient of Performance (COP).

Advantage

1. ALTEK – Solar Air – Conditioner quite fits the seasonal demand, which mean, the COP is increased as the Solar energy is most plentiful in summer.
2. Conventional air-conditioner is damaging our aerosphere .Our New Solar Air-conditioner works by special medium, which is completely environment friendly.
3. Solar collector is invented decades ago, mature technology and high quality will guarantee the performance of the solar Air -conditioner.
4. ALTEK- Solar Air conditioner is cost effective. The price of our Solar Air-conditioner is really competitive and affordable for our clients.

5. The energy absorbed in the day time can be stored in the heat absorbing device, ensure the air conditioner to work normally all day.

Specifications:-

Our solar air-conditioner at an economically com petitive level could reduce electricity costs for residential and small commercial customers by 35%-50%. This would cut the growth of peak electric demand and ease the increasing pressures on generating capacity, transm ission, and distribution. Clients can save the electricity cost within few years to cover the cost of the solar air-conditioner

Compare with current products :-

currently available technologies are neither practical nor cost-effective.

Photovoltaic (pv) systems cost many times more than a conventional air conditioner.

New solar air-conditioner quite fits the seasonal demand, which means, the cop is increased, as the solar energy is most plentiful in summer.
For example, if heat temperature is about 60 , then the COP would be approximately 0-40; If heat temperature is about 90 , then the COP would be approximately 0-70; If heat temperature is about 120 , then COP may reach 110 or above.

The installation does not limited by the location; it can be installed in any place since the solar panel is not large. Furthermore, it is not required to face to the sun.

They wouldn't be effected by the weather, no matter in the cloudy, rainy day or in the sunshine day, or in the evening the effect is of the same, it absorbs heat and radiation. Both of electricity and the energy absorbed in the day time stored in the heat absorbing device can ensure the air conditioner to work normally. Moreover, the energy absorbed in the environment can be consumed and renewed continuously. In comparing with the normal conditioners, ours can save maximum up to 35 % to 50% of the electric power;

Compared to normal air conditioner, the fluctuation of temperature is slightly slower, it needs several m inutes to reach the appointed temperature;

and the longer you use it, the less electricity can be consumed comparing with normal conditioners.

The refrigeration of solar A/C with R 22, R 407C & , R 410 also.

Compared to the normal air conditioner, max.up to 50% of electricity can be saved .

The air conditioner can work normally between the temperatures -25 degree Celsius and 54 degree Celsius, If the temperature is over 50 Celsius degree, the compressor will keep itself in a state of rest for protection. If the temperature returns to normal (-25celsius degree to 50 Celsius degree), it will continue to work automatically.

Core technology?

The core technology mostly lies in the solar panel and compressor. There are many small components in solar panel. They are mainly the parts of heat collecting, assistant parts of converting heat or cool; Our compressors is different from normal air conditioners', they are improved by very specific technology, which is complex and difficult to understand by un-specialized people. More details are secret .....

Please Note: The compressor or solar panel can't be replaced by clients themselves, so if there is some damage of them or the warranty period passed, they should be replaced by the same as the original ones which you could purchase from us.



Frequent Asked Questions:-

1. What is the warranty years and how about after sale service?

The warranty of the solar A/C is 1 years. If there is any damage of main spare parts like compressors or solar panels, you should purchase them of the same type from us and replace the damaged ones.

2. How about the solar energy?

The source of solar energy is the natural light energy, heat energy and the radiant energy in the environment absorbed by the solar-panel. Solar energy and electricity work together and the ratio of them are 35 to 50%. Only when the electricity and solar energy work together can ensure the normal works of our products

3. Can our solar A/C work in bad weather?

Our clients should feel ease about it that our A/C can work normally no matter in what kind of weather. The solar collector could collect and store the heat energy, light energy, the radiant energy of the environment. Solar energy can be collected no matter in the day time or at night, no matter in the raining day or the sunshine day. When there is no sunshine, the solar panel could also collect the light energy and heat energy, which can never be exhausted as there is a continual supplement, even when there are raining days or very cold days with very low temperature.
Besides, the consumption of solar energy is little compared to the absorbed energy, the solar energy would never be exhausted, and the product can always work normally no matter in what kinds of weather.

4. What's the limited temperature our solar A/C can be used normally?

As long as the temperature isn't higher than 54 and isn't lower than -25 , our solar A/C can work normally, no matter High Hum idity or low humidity, the performance won't be affected by the variance.

5. What's the core cooling principle of solar energy?

Solar energy providing the absorption type of refrigerator with the heat-carrying (refrigerant) which the generator needs, other procedures would be done by generator just like normal air conditioners. The heating principle is the same with the cooling principle.

6. How the electricity saved?

The solar air conditioners powered by the solar energy and electricity together, thus the electricity would be saved.It can work with 48 volt DC/AC (Solar Hybrid Inverter also).

7. What's our products' energy efficiency?

Currently there is no calculating method for solar air conditioners. Our product is different from normal air conditioners, and our products can save 35% to 50% electricity because there is solar panel which can help saving electricity.

Our solar AC, electricity consum ption is just about half of it **. (35% to 50%)**

RANGE ST ARTS FROM 9,000 BTU (WINDOW AC) @ Rs. 45,000/= ONWARDS
(BULK ONLY)

INSTTALATION PROCESS:-

Solar-Power Air Conditioner Installation Steps

1. Indoor parts installation: to install the indoor parts to a suitable location.

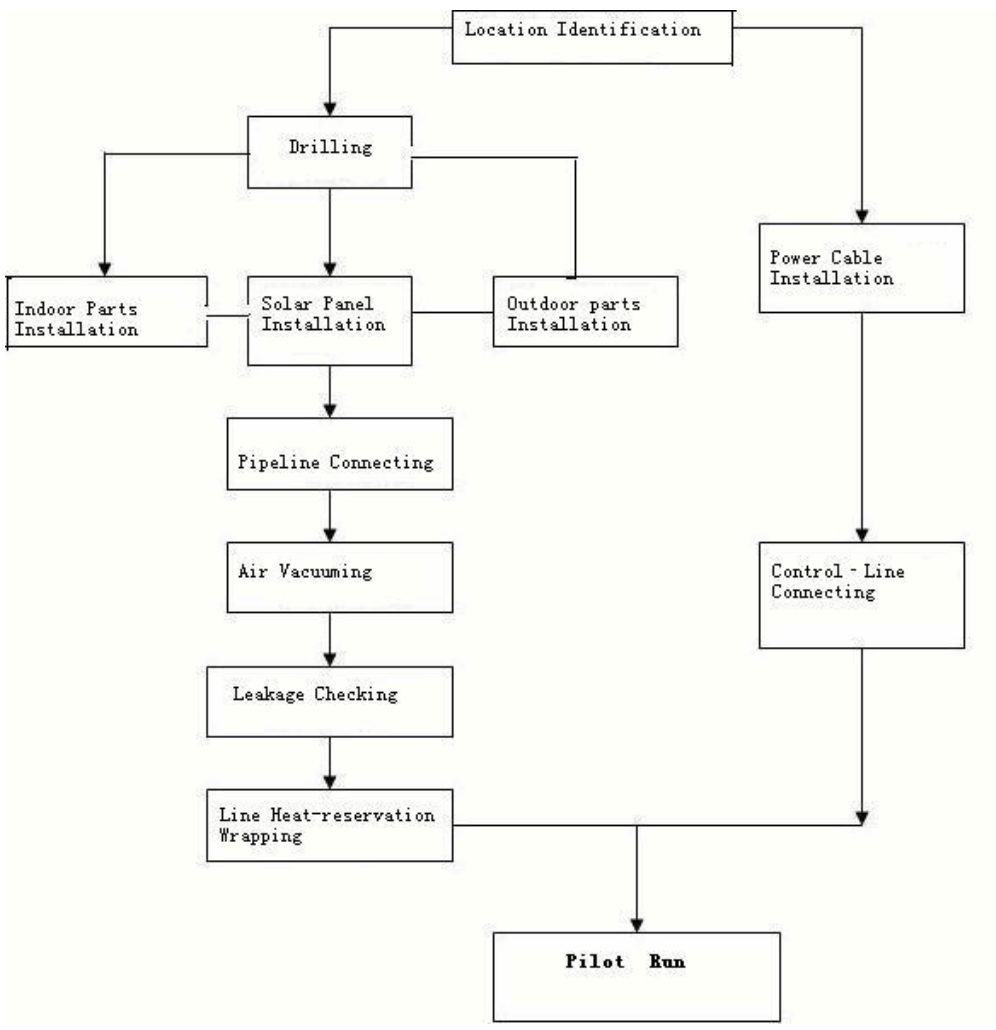
2. Connect copper pipes, with indoor parts. Connectors should be tightened to prevent leakage.

3. Outdoor parts and solar panel installation: to select a suitable location to install and secure the outdoor parts and solar panel.

4. Air vacuuming: to turn two stop-valves of solar panel loose completely to allow air to expel from low-pressure tripe-pipe-valve of outdoor parts.

5. Leakage checking: to apply soap water to all connectors for checking leakage or not.

6. Pilot run



What is the warranty years and how about after sale service?

The warranty of the solar A/C is 1 years. We do AMC @ 15 % /Annum.

INSTITUTIONAL& EXPORT SALE OFFER (MOQ :- 10 units)

RANGE STARTS FROM 9,000 BTU @ Rs. 4**5,000/= ONWARDS (900 USD)**

TYPE & MODEL OF SOLAR AC (COOLING ONLY)		**DEALERS PRICE**	**WITH HEATING**
(JO-JO)WINDOW TYPE ----			
9,000 BTU		**45,000 (900 USD)**	**50,000**
12,000 BTU	**55,000 (1100 USD)**	**60,000**	
18,000 BTU	**65,000 (1300 USD)**	**70,000**	
24,000 BTU	**85,000 (1700 USD)**	**90,000**	
(ALTEK) SPILIT TYPE			
9000 BTU	**50,000 (1000 USD)**	**55,000**	
12,000 BTU	**65,000 (1300 USD)**	**70,000**	
18,000 BTU	**75,000 (15 00 USD)**	**80,000**	
24,000 BTU	**95,000 (1900 USD)**	**1000,000**	