KAYAM SOLAR

KAYAM



EXPERIENCE
15+ YEARS
EXPERIENCE

- Green Energy
- 80% Electric bill saving
- Inverter Compataible

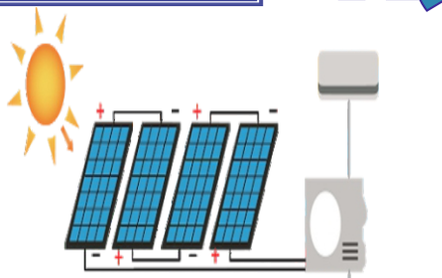


FOR MORE INFORMA TION

+91 9024 254 254

www.kayamsolar.com

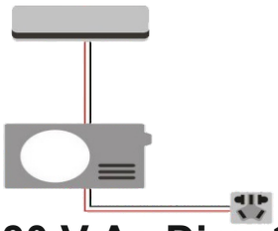
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190v DC Power Run on Solar Panel Directly



230 V Ac Power Run On Solar B[illegible]up



230 V Ac Directly

"What is solar Air Conditioner?

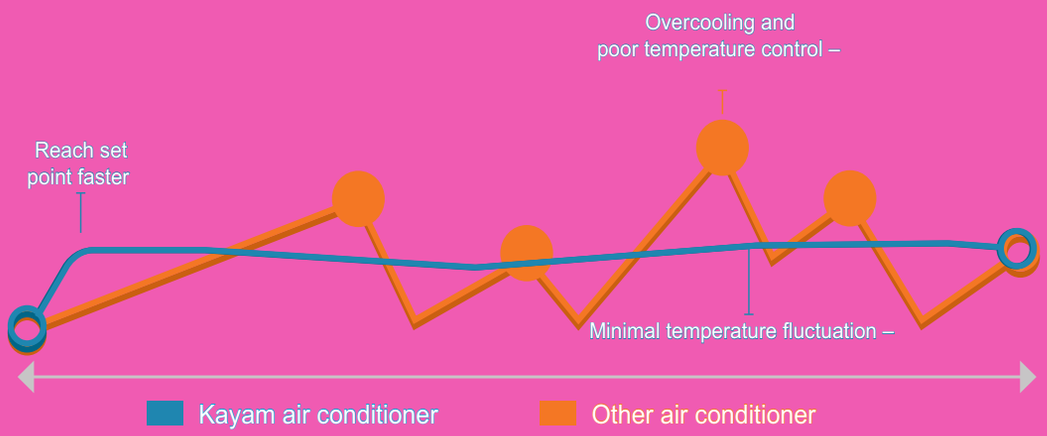
This solar air conditioner works like conventional air conditioner. The two major differences is existing AC use only electricity grid and existing AC takes high wattage to run and solar AC is such designed that it takes very low wattage. "Solar air conditioner" has three options – 1st Solar power, 2nd Battery bank, & 3rd Electricity grid. Solar AC the MGM Technology (Compressor) works like an accelerator in a car. When compressor needs more power, it gives it more power. When it needs less power, it gives less power. With this technology, the compressor is always on, but draws less power or more power depending on the temperature of the incoming air and the level set in the thermostat. The speed and power of the compressor is adjusted appropriately. This technology is currently available only in split air conditioner.

Features of Solar air conditioner

Solar AC is a very effective solution for those locations where climate is hot & humid and grid based electricity is scare and unable due to frequent power cuts solar AC is designed to address these evident problems. Solar AC runs on different alternative energy sources i.e. when it is working on solar PV it saves and reduces Grid electricity demand, it is also very power efficient system and saves the electricity expenses of the customer. Solar ac is very environment friendly and it reduces grid power consumption to 100% because the grid power is generated by Fossil fuel, whereas solar system reduces the grid power demand and the result in less carbon emission into the atmosphere.

Can work without electricity

Work on both, solar power and electricity grid.
Solar air conditioner is Low maintenance.
Zero electricity bill and saving 100%"



Based on data from BEE in 2018, below is the representative (median) sample of power consumption of Air Conditioners of various tonnage and star ratings:

	1.5ton	2ton
3star AC	2960	4128
5star AC	2880	3840
5star InverterAC	1920	3520
3star AC	800	1760

- Annual Electricity Consumption (Unit for 1600Hrs) based on data from BEE

BENEFITS OF SOLAR AIR CONDITIONER

- **# Low wattage**
- **# 80% Electricity bill Saving**
- **# Energy saving**
- **# No Jerk Load**
- **# Green Energy**

Difference between regular 1.5ton Air conditioner and 1.5 Ton solar air conditioner Model

	Conventional Air Conditioner	Kayam Solar Air Conditioner
Wattage	2000 watt	800 watt
Starting Load	3500 watt	100 watt
Running AMP	7 to 9 AMP	2 to 4.5AMP
Electric Saving	- - -	Up to 80%
Jerk Load	High Jerk	No Jerk
Compressor	Rotary/Hermetic	BLDC

Technical specification for solar air conditioner

Model Solar

Specification	KAYAM 1.5	KAYAM 2.0	KAYAM 2.5
Cooling Capacity BTU	13500-17000	17000-21500	19500-26500
Capacity (Ton)	1.5 ton	2 ton	2.5 ton
Starting Current Amp.	0.5	0.7	0.7
Running Current Amp.	Min 0.5 Max 5	Min 2 Max 6	Min 2.5 Max 8
IDU Air flow CFM	370	565	565
Refrigerant	R410/ R32	R410/ R32	R410/ R32
Per hour Unit Consumption	0.5 – 0.7 U/H	1.1	1.8
Compressor	Magnetic/vibratic MGM/BLDC	Magnetic/vibratic MGM/BLDC	Magnetic/vibratic MGM/BLDC
Electricity Saving Comparison to Other AC	Up to 80%	Up to 80%	Up to 80%
Power Input	220 VAC	220 VAC	220 VAC
Noise Level Indoor db(A)	33	36	36
Indoor Unit Dimensions	850X300X198 mm	970X315X235 mm	970X315X235 mm
Net Weight	9 kgs	11 kgs	12 kgs
OutDoor unit Dimensions	780x545x285 mm	860x545x315 mm	860x545x315 mm
Net Weight	24 kgs	31.5 kgs	32.5 kgs
Sound pressure level	40 dba	40 dba	42 dba
Power source Rating MCB	6A	6A	6A
Interconnecting Wires	3+E	3+E	3+E
Power supply to	Indoor	Indoor	Indoor
Ref. max Piping Length	15 M	15 M	15 M

15+

YEARS

EXPERIENCE

KAYAM

Kayam Solar Corporation Private Limited,

Near Pankha Circle, Market Road, Churu 331001
(Rajasthan) INDIA

Kayam Care +91 9024 254 254