SKYDAY SOLAR
AIR CONDITIONERS

100% OFF GRID SOLAR AIR CONDITIONER

www.skydaysolar.com

SOLAR A/C SERVICE
ENERGY SOLUTIONS

Energy Anytime Anywhere

Intelligent **Green** **Safe** **High Efficiency**

CE CB

FAST COOLING

A A+++ B C D E F G

R-410A REFRIGERANT

INVERTER

TECHNICAL SPECIFICATION

DC Power	Cooling Capacity	Heating Capacity	Cooling Power Input	Heating Power Input	Indoor/ outdoor Net Weight	Indoor Net Size	Outdoor Net Size
42-60V	90000BTU	9500BTU	100-850W	120-880W	9.6/39	870x270x360	900x400x600
	12000BTU	13000BTU	110-1300W	130-1350W	9.6/42	870x270x360	900x400x600
	18000BTU	19000BTU	140-1650W	200-1710W	12.5/44	1035x305x380	900x400x600

FEATURES

Run by Solar PV through the day and Battery through the night which is charged Free by the sun Finally 24 hour cooling and heating that cost you absolutely NOTHING to RUN

High efficiency brushless inverter permanent-magnet compressor

Indoor unit noise level low to 26 dB

R410a environment protection refrigerant

Press the "ECO" on the remote controller, the air conditioner instantly enters into ECO energy saving mode without fussy setting and operate.

30s fast cooling/1 min powerful heating

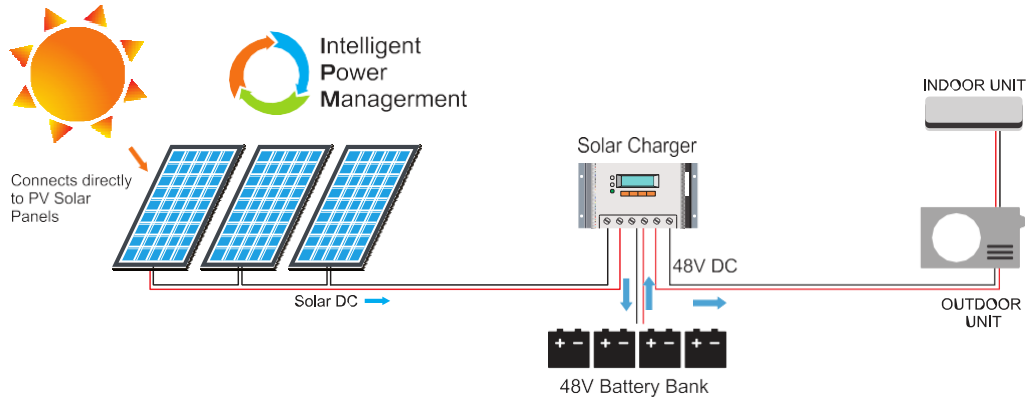
Super wide operating temp. range: -10℃～52℃

Auto restart memory function, when the grid power comes back after power cut, the air conditioner can automatically restart and run under previously setting mode.

Intelligent design Mobile APP control, terminal centralized control, uniform management, more energy saving and convenient.

SYSTEM DIAGRAM

Depends on different working conditions, 4 ~6 pcs 300w solar panels can operate the system to work up to 10 hours per day. 6~8 pcs 300w panels up to 16 hours. 8~12 pcs 300w panels up to 20~24 hours. The battery and charge controller must be sized appropriately.



SYSTEM COMPONENT

Indoor/Outdoor fan motor & compressor

Indoor & Outdoor unit both adopting DC brushless fan motor and DC permanent-magnet rare earth compressor, greatly reduce the energy loss, ensured low noise. Moreover, the DC brushless fan motor can adjust the frequency and cool/heat power accordingly.

Solar panel

We suggest to connect 4~10 pcs 250~320w solar panels to drive each solar air conditioner. The solar panels are regular ones which available on the market, both mono-crystalline and poly-crystalline ones are acceptable.

MPPT charge controller

To manage the battery charge and discharge and provide steady power to the solar air conditioner.

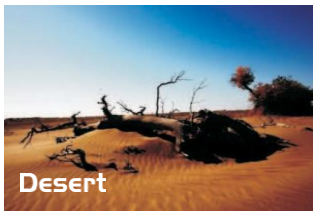
Battery

We suggest 4x12v solar battery, depends on system selected and the operation hours you required, you can select the AH of your batteries.

WE PROVIDE COMPLETE ENERGY SOLTION

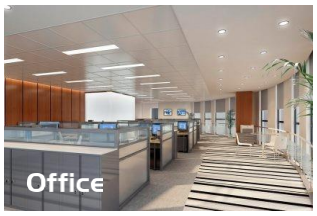
We are the solar air conditioner solution provider, we not only sell the solar air conditioner but also provide professional solar solutions to our clients.
Our target is to let the people all around the world enjoy the environment protection energy saving solar air conditioner.

Off grid(DC48v)



The places where there is no 220v-240v AC grid power available

On grid (ACDC)



The places where air conditioner needed mostly during the day

On/Off grid

The places where often grid power cut

On grid (ACDC)Light commercial and VRF Central systems

We provide full solutions for different requirements

- **SERVICE**
  Provide not only the high-quality products but also the full solar solutions.

- **PROFESSIONAL**
  Leave the green energy saving solution to professional people please, we can provide you time & money-saving, and safety service.