

100% SOLAR POWERED AIR CONDITIONER

Off Grid DC 48V
Solar Air Conditioner

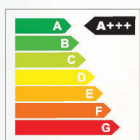


Intelligent

Green

Safe

High efficiency



R410A



TECHNICAL SPECIFICATIONS & FEATURES

TECHNICAL SPECIFICATIONS

Model	DC Power	Cooling Capacity	Heating Capacity	Cooling Power Input	Heating Power Input	Indoor/ outdoor Net Weight	Indoor Net Size	Outdoor Net Size
SWWR-2.6IM	42-60V	90000BTU	9500BTU	100-850W	120-880W	9.6/39	870x270x360	900x400x600
SWWR-3.5IM		12000BTU	13000BTU	110-1300W	130-1350W	9.6/42	870x270x360	900x400x600
SWWR-5.6IM		18000BTU	19000BTU	140-1650W	200-1710W	12.5/44	1035x305x380	900x400x600
SWWR-7.2IM		24000BTU	25000BTU	240-1980W	260-2039W	15.2/59	1120x310x405	1063x480x760
SWWR-9.0IM		30000BTU	31000BTU	320-2300W	350-2410W	15.2/69	1120x310x405	1090x500x860
SWWR-10.0IM		36000BTU	37500BTU	350-2600W	390-2700W	27.6/73	1340x380x450	1090x500x860

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



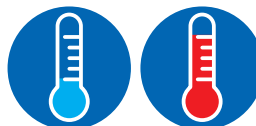
R410a environment protection refrigerant



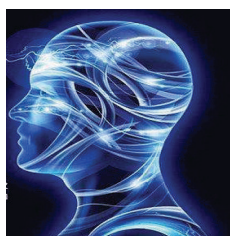
Press the "ECO" on the remote controller, the air conditioner instantly enters into ECO energy saving mode without fussy setting and operate.



30s fast cooling/1 min powerful heating



Super wide operating temp. range: -10°C~52°C



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.

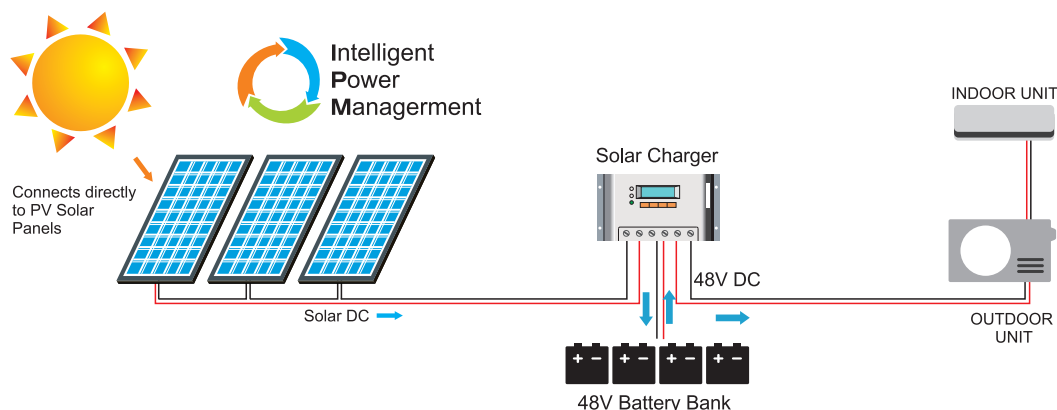


Intelligent design Mobile APP control, terminal centralized control, uniform management, more energy saving and convenient.

SYSTEM

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 ARE THE EXPERTS

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)



Island



Desert

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

On grid (ACDC)



Office



School

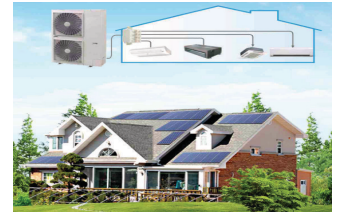
The places where air conditioner needed
mostly during the day

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

★ EXPERIENCE

20 years in HVAC field and 8 years in Solar Air Conditioner

★ 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.