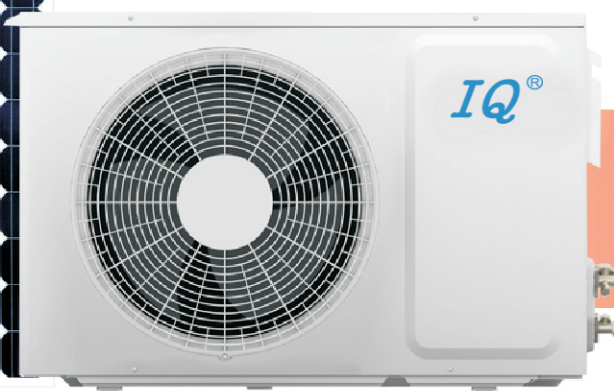




ACDC Hybrid Type

Wide Range
Operating Temperature

-15 °C



+55 °C

Wide Range
AC Input

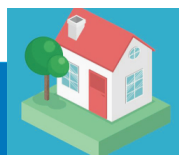
50/60HZ
160V-270V



40%
Fast cooling



high temperature
resistant



Green
Energy Green Life



ACDC Hybrid Type

>Application >Highlights >Technical Data >

Application

In ACDC hybrid solar air conditioner system, the air conditioner is powered by solar energy and the grid power is used as the backup power.

In the daytime, the system draw the power from solar panels as preference input; when the sun is not strong enough to satisfy the needs of the a/c, the grid power will automatically get connected as input.

It's mainly used at places with high electricity rates in order to cut electricity bills.

It's the 4th generation models, designed for low cost, easy installation and a fast payback, requiring no batteries, no inverter, no controller-just plug in solar panels to save 40-100% power in daytime compared with an electric a/c.

Product Highlights

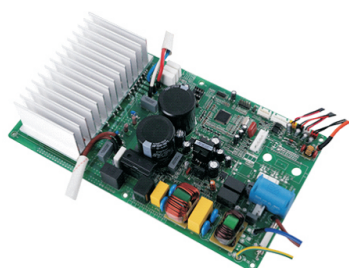
- 100% efficiency of solar power consumption, not a bit of energy waste
- Full DC system, high efficiency, SEER up to 23
- Wide range of AC input: 50/60Hz, 160V-270V
- Wide range of ambient temperature: -15°C~55°C
- No controller/inverter/batteries needed
- Eco-Friendly R410a Refrigerant
- Easy installation, no difference with electric a/c installation
- Intelligent power supply display, real-time update of power input
- Regular solar panels can be used, 3~10pcs can be freely embraced
- Washable Filters
- Digital Wireless Remote



Technical Data

Model	Cooling Capacity Btu/h	Heating Capacity Btu/h	Power Input Cooling W	Power Input Heating W	SEER	HSPF	Application Area Sqm.	Net Weight indoor unit Kg	Net Weight outdoor unit Kg	Net Size indoor unit mm	Net Size outdoor unit mm
RC-09ADC/FA	9000	9000	660	670	23	10	8~15	10	32	850*280*210	860*325*540
RC-12ADC/FA	12000	12000	960	1,028	22	11	12~25	10	32	850*290*205	860*325*540
RC-18ADC/FA	18000	18000	1,420	1,375	21	10	20~40	14	48	970*315*235	890*320*670
RC-24ADC/FA	24000	24000	1,830	1,820	20	11	33~49	16	53.5	1100*330*235	890*320*670

Motor Driving Technical



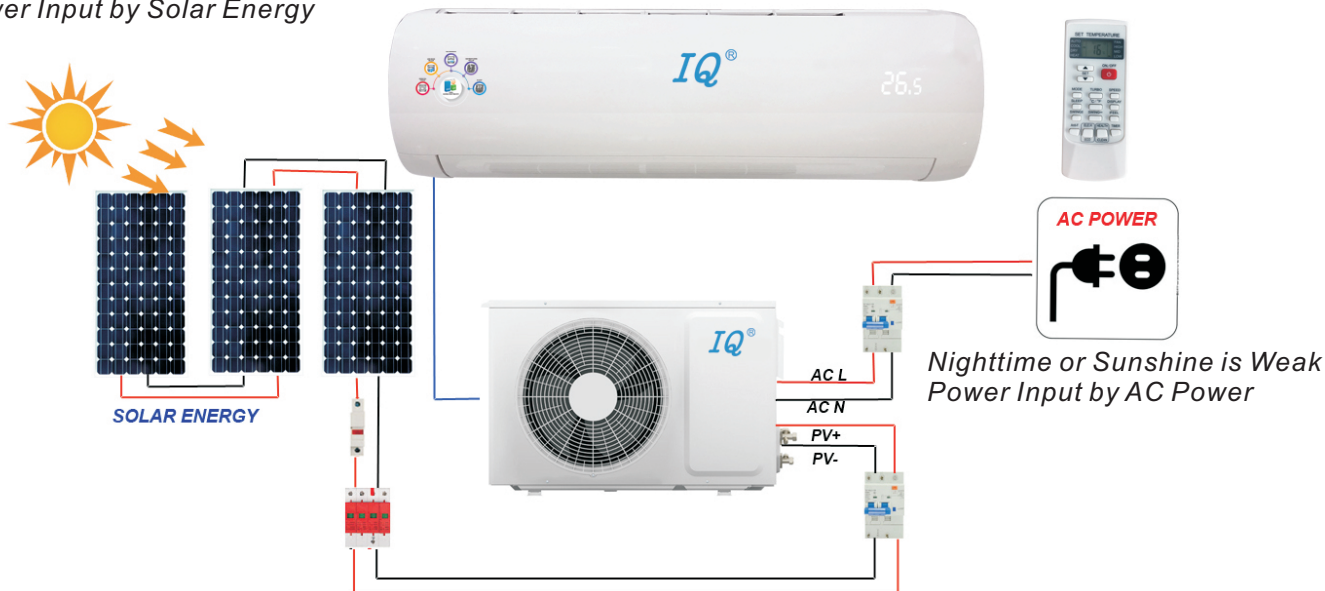
- Compressor drive control software with the property
- intellectual property rights, capable to match various type of compressor rapidly
- 180° sine-wave vector frequency control technology
- Low-frequency band smart torque compensation technology, allowing to reduce the compressor vibration to the minimum level
- Active PFC, power factor up to 0.99
- ODU fan, compatible with brushless DC motor and AC motor
- Optional electronic expansion valve or capillary tube for valve
- All-around protection function and self-diagnosis function
- Operating temperature range: -10 +55°C



ACDC Hybrid Type

>Solar System Components

Daytime When Sunshine is strong
Power Input by Solar Energy



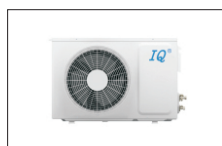
Nighttime or Sunshine is Weak
Power Input by AC Power

System Component



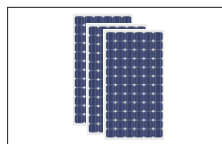
>ACDC Hybrid Indoor Unit

Capacity heating & cooling 9000Btu~24000Btu available;
Digital display
Low Noise (Hi/Mi/Lo)41/38/32dB



>ACDC Hybrid Outdoor Unit

Capacity heating & cooling 9000Btu~24000Btu available;
Solar Input DC70~380V MAX15A;
AC Input 208~240V 50/60HZ; R410A;
Low Noise 53~60dB



>Solar Panels

Against Salt mist corrosion/amonia corrosion /fire risk;
10 years Warranty;
DC31.6V 275W



>DC Motor

DSP Single chip of T1(used in Texas,US);



>DC Air compressor

180 degree pure sine wave vector frequency converting
control technology ;
Low-frequency intelligent torque



>Remote Control

Digital wireless remote;



>Lightening Arrester

PC40-85V DC
Operation Temp:-40~+85℃



>Fuse Protection

RT28N-32X 1P



>DC Breaker

DC800V 2P 20A



>DC Solar Wires

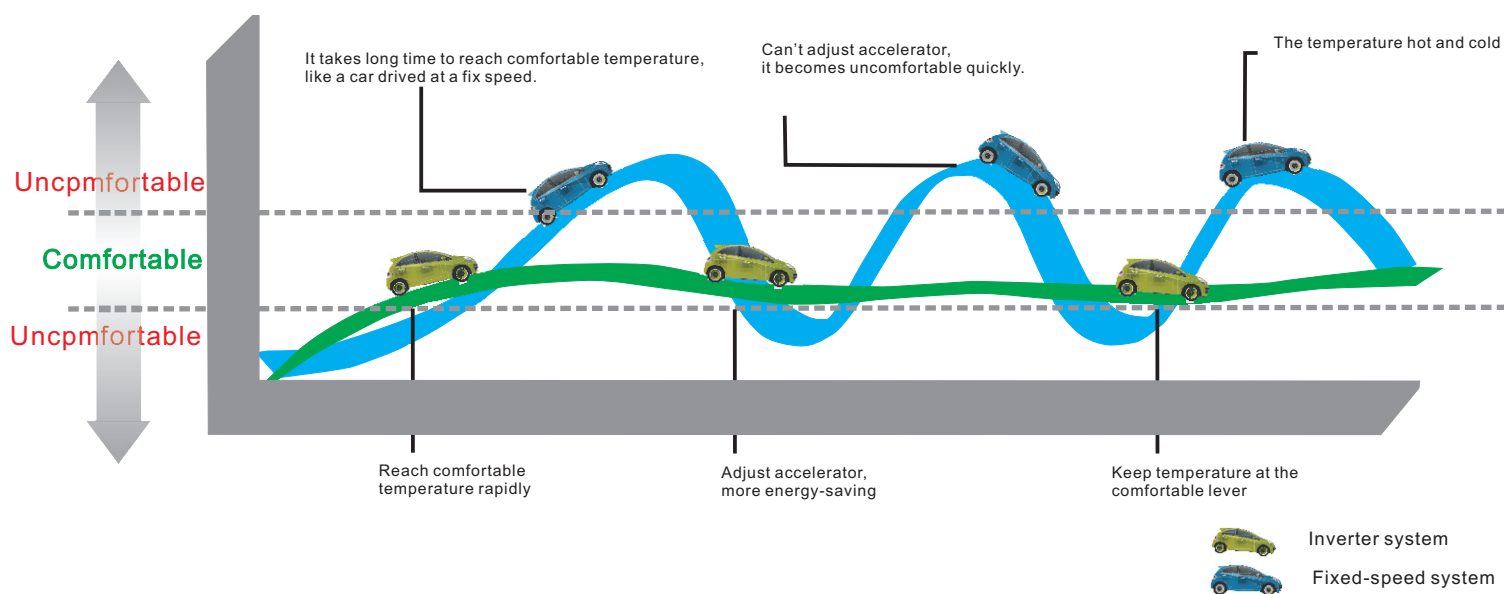
1*4sqmm black and red;
TUV certified
15mm each other per unit



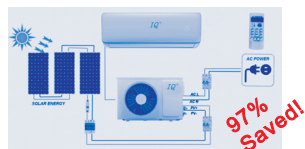
ACDC Hybrid Type

>Outstanding Features

Inverter Technology: Energy Saving + Comfortable

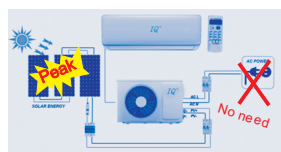


Other Features



Cost Save

AC & Solar power mixed input, will reduce energy consumption by 97%



Solar Peak Function

When solar panels draw the energy to peak, solar power will completely be used as input, no need AC power input



Solar standard terminal

With Mc4 Solar Standard Wire Terminal, let the system more stable and safety



Quick Installation

With complete installation system, simple and easy to install, just as the general air conditioner



With manufacturing workshops in China and overseas sales offices in the US, Dubai, Germany and South Africa, we offer highly cost-effective products, specific OEM and ODM services, fast communication, convenient after-sale services and financial help to all of our customers worldwide. We're very confident to be a good partner to help our clients to be bigger, stronger and more profitable!