100% SOLAR POWERED AIR CONDITIONER

Off Grid DC 48V Solar Air Conditioner

Intelligent  Green  Safe  High efficiency
# TECHNICAL SPECIFICATIONS & FEATURES

## TECHNICAL SPECIFICATIONS

<table>
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<tr>
<th>Model</th>
<th>DC Power</th>
<th>Cooling Capacity</th>
<th>Heating Capacity</th>
<th>Cooling Power Input</th>
<th>Heating Power Input</th>
<th>Indoor Net Weight</th>
<th>Indoor Net Size</th>
<th>Outdoor Net Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWWR-2.6IM</td>
<td>42-60V</td>
<td>90000BTU</td>
<td>95000BTU</td>
<td>100-850W</td>
<td>120-880W</td>
<td>9.6/39</td>
<td>870x270x360</td>
<td>900x400x600</td>
</tr>
<tr>
<td>SWWR-3.5IM</td>
<td></td>
<td>120000BTU</td>
<td>130000BTU</td>
<td>110-1300W</td>
<td>130-1350W</td>
<td>9.6/42</td>
<td>870x270x360</td>
<td>900x400x600</td>
</tr>
<tr>
<td>SWWR-5.6IM</td>
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<td>180000BTU</td>
<td>190000BTU</td>
<td>140-1650W</td>
<td>200-1710W</td>
<td>12.5/44</td>
<td>1035x305x380</td>
<td>900x400x600</td>
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<td>SWWR-7.2IM</td>
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<td>240000BTU</td>
<td>250000BTU</td>
<td>240-1980W</td>
<td>260-2039W</td>
<td>15.2/59</td>
<td>1120x310x405</td>
<td>1063x480x760</td>
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<td>SWWR-9.0IM</td>
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<td>300000BTU</td>
<td>310000BTU</td>
<td>320-2300W</td>
<td>350-2410W</td>
<td>15.2/69</td>
<td>1120x310x405</td>
<td>1090x500x860</td>
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<tr>
<td>SWWR-10.0IM</td>
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<td>360000BTU</td>
<td>375000BTU</td>
<td>350-2600W</td>
<td>390-2700W</td>
<td>27.6/73</td>
<td>1340x380x450</td>
<td>1090x500x860</td>
</tr>
</tbody>
</table>

## 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)  
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

⭐ 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.