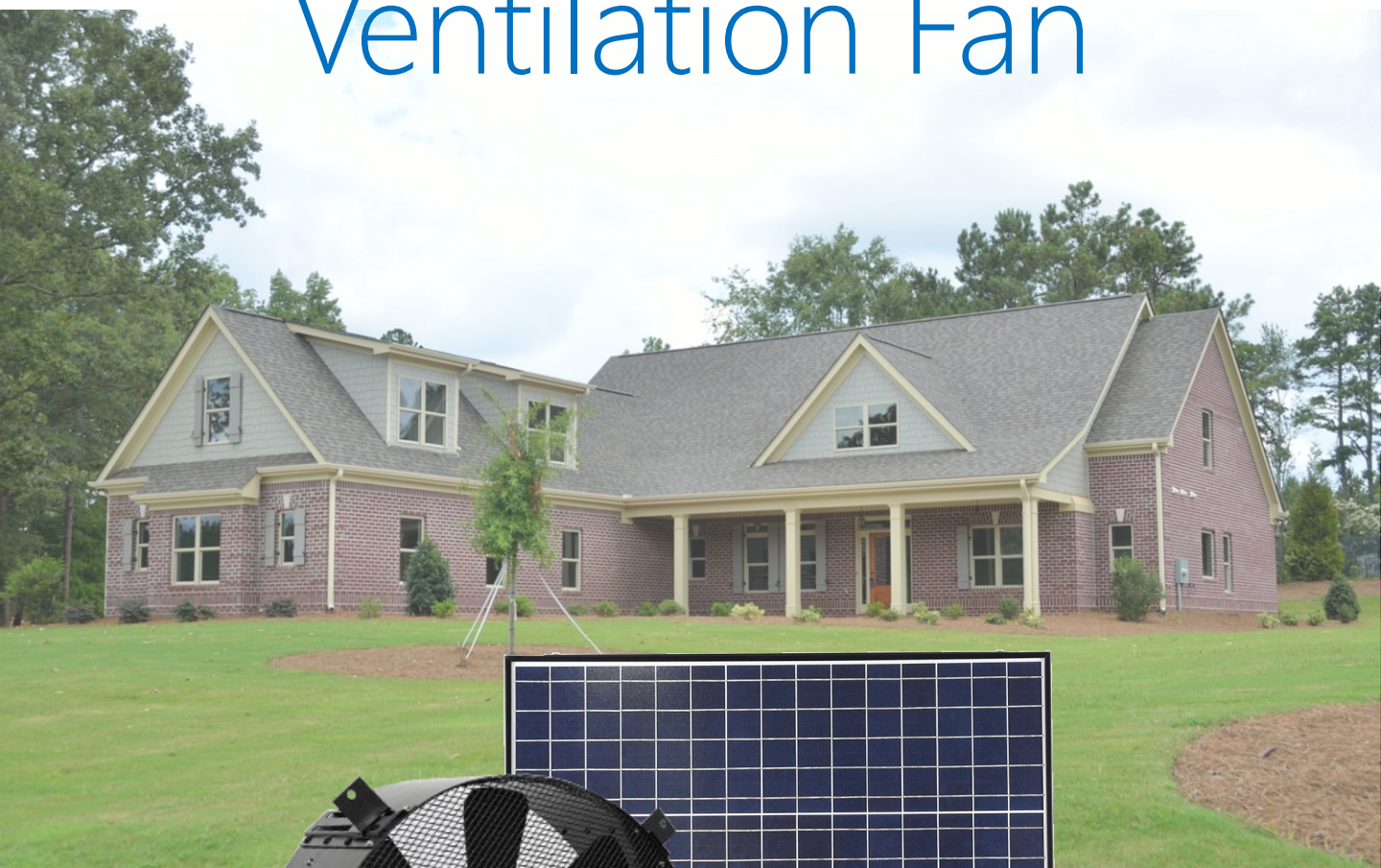


Solar Gable Wall Ventilation Fan



SUNNY INTERNATIONAL POWER LTD



Green Solar Ventilation Fan

A self-contained axial flow solar wall exhaust fan, taking advantage of natural solar energy and realizing savings of up to 90%; It comes to deliver high efficient yet quiet ventilation in long service life by top grade brushless motor. As an eco-friendly ventilation solution to let you enjoy a healthy and comfortable environment while achieving energy-savings!

Multiple Purposes, Easy Installation

With easy installation and no dependence on AC grid, the solar wall ventilator freshens air for various premises during sunny days at no electricity cost!

It would pump out interior stale air to improve indoor air circulation, reduce moisture and harmful mildews, and help reduce the load on air-conditioner and HVAC system in summer seasons.

Smart Controlled Power Backup for Running 24h

Under smart control, when connected to solar battery or AC/DC adapter, SIPL solar wall fan can automatically switch to solar battery/ mains supply to keep running in sunless periods effectively. Furthermore, when the sun shines again, the fan will resume taking use of the solar panel power 'consciously' while backup power will exit automatically, to reserve storage battery power or save electricity.



Free Solar
Panel Power



Strong Fan Case
Durable in Use



BLDC Motor
Quiet Running



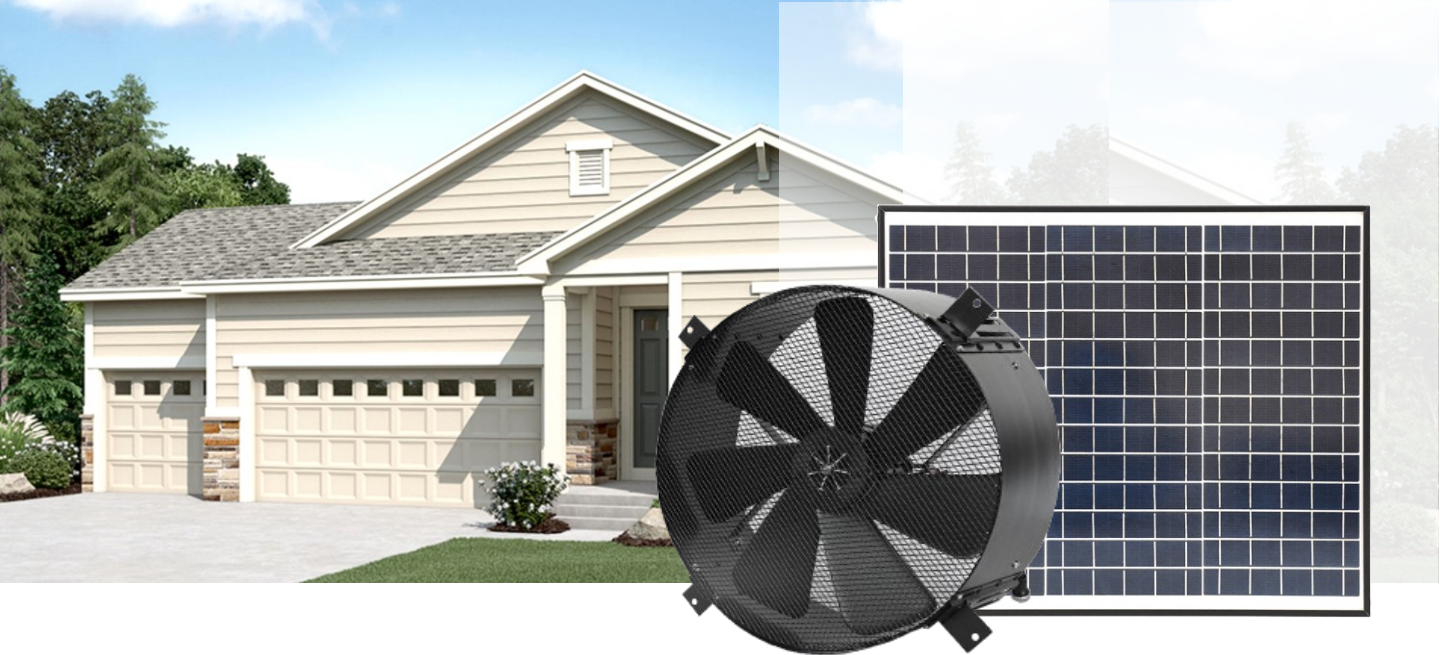
Energy Backup
24 hours' Running



Easy Installation
Maintenance Free



Quality Assurance
5 Years Warranty



Specifications

| | |
|--|---|
| Power | 40W~60W solar panel powered |
| Solar Panel | 182 Monocrystalline solar panel, adjustable with mounting base |
| Fan Blades | 12 / 14" Composited nylon-fiberglass fan blades, 7 pcs |
| Motor | Brushless DC Motor, IP68 |
| Fan Housing | Galvanization steel with anti-rust, anti-UV powder coating |
| Fan Guard | Front side aluminum meshed fan guard |
| Fan Speed | 140-1432RPM |
| Cable | 10m cable to connect solar panel & the fan |
| Color | Black |
| Installation | Wall mounting, roof vent mounting, crawlspace... |
| Optional Wall Fan Accessories (Details on Page 10) | <ul style="list-style-type: none">• Backup Power Options<ul style="list-style-type: none">> AC/DC adapter> Solar battery• Switch Options<ul style="list-style-type: none">> Wireless remote controller> Adjustable thermostat with bypass switch> Snap-action thermostat> Manual switch with power cord• More Accessories<ul style="list-style-type: none">> Metal circular fan guard> Square mounting frame |

Solar Fan Details

Exhaust Fan

- ✓ Strong galvanized steel fan body, rustproof with anti-UV powder coating
- ✓ 7 pcs upgraded nylon-fiberglass fan blades, provides good air flow while less noise
- ✓ Waterproof IP68 BLDC motor for high efficiency, quiet operation and long lifespan
- ✓ 4 pcs slidable mounting brackets, front side protective meshed fan guard
- ✓ Optional square mounting frame to meet multiple installation purposes
- ✓ Fully assembled with plug & play quick wire connectors, easy to install

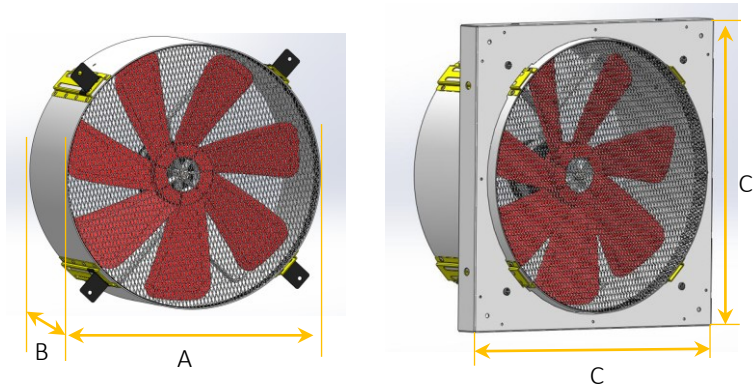


➤ Motor Parameter

| #86mm Brushless DC Motor | |
|--------------------------|--|
| Voltage | 8~24V |
| Power | ≤ 60W |
| Size | diameter 86mm |
| Motor Speed | 146~1432RPM |
| IP Rate | IP68 (waterproof) |
| Sound | Quiet (< 45dB) |
| Designed Lifetime | > 10 years |
| Material | Pure copper, high quality ball bearing |



➤ Dimension



| Option # | 12" | 14" | 14" with frame |
|----------|-----|-----|----------------|
| A (mm) | 317 | 368 | 368 |
| B (mm) | 175 | 175 | 175 |
| C (mm) | / | / | 416 |

Solar Panel

- 40W/ 50W/ 60W monocrystalline solar module
- Tiltable and adjustable design with mounting base and brackets
- Waterproof wire connector to connect with fan
- Can connect with extra solar charged battery for night use



| Option # | L (MM) | W (MM) | H (MM) | Battery | Function |
|----------|--------|--------|--------|---------|--|
| 40W | 415 | 495 | 25 | / | to power the fan directly in sunny daytime |
| 50W | 495 | 495 | 25 | | |
| 60W | 575 | 495 | 25 | | |

➤ Solar Charged Battery

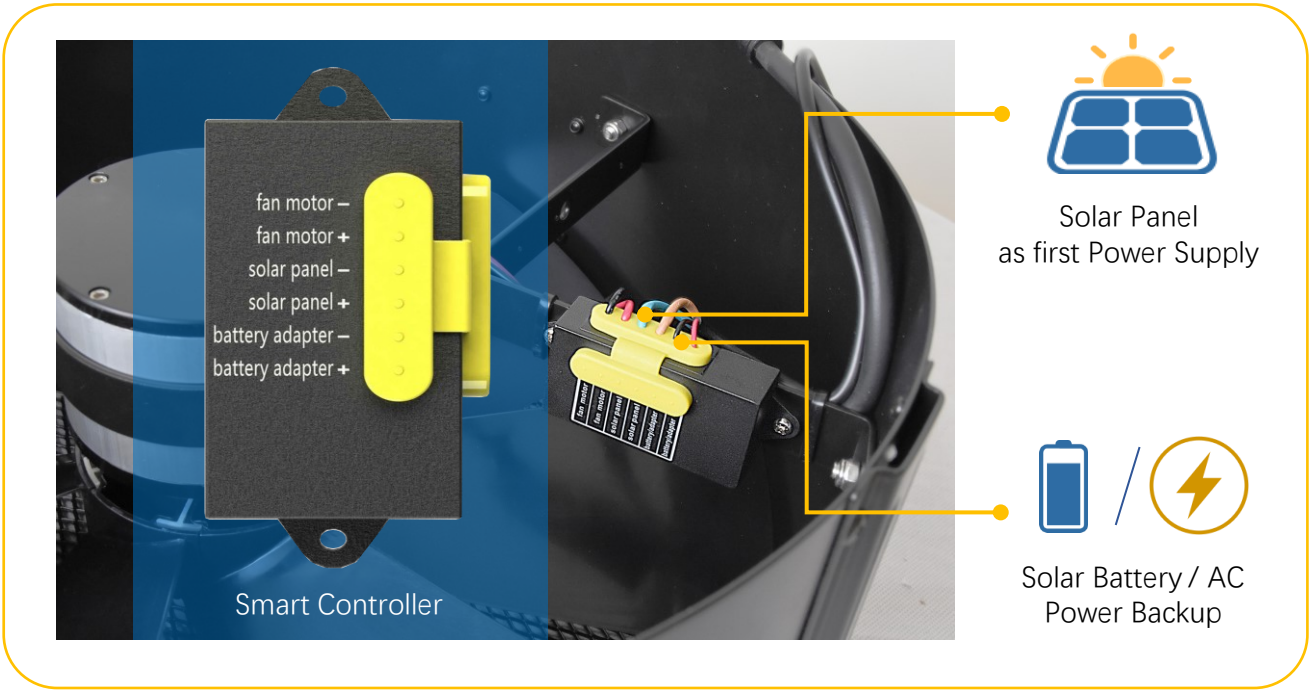
The solar battery collects & stores solar energy at day time to support the solar ventilator work continuously after sunset.

| Specifications of Solar Battery | |
|---------------------------------|--------------------------------------|
| Solar Panel | 50W 21V monocrystalline solar module |
| | 495x495x67mm |
| Inbuilt Battery | Lithium iron phosphate battery |
| Battery Capacity | 16V 9.6Ah; full charged in 4.8 hours |
| Battery Discharge | 24~25 hours |
| Operating Temperature | -20~60°C |
| Cycle Life | 2000 times |



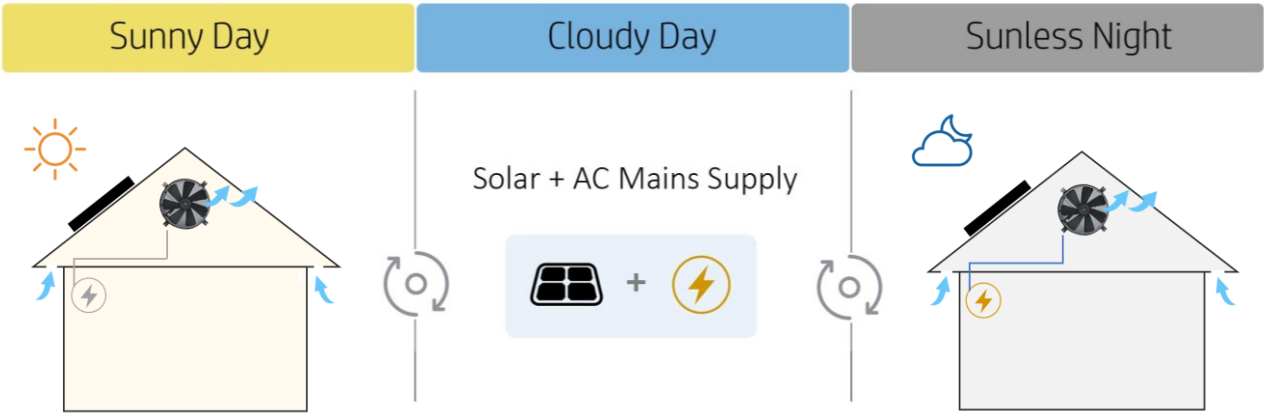
Smart Controller

Not only can SIPL solar wall fan run freely in daytime by solar panel, but also it can keep ventilating in sunless time when equipped with optional solar battery or AC/DC adapter. More, a unique smart controller is attached on fan to play a key role in the power switching between solar panel & battery/ AC power —— it enables the fan to work in harmony under solar and backup power, switching automatically & seamlessly, never miss a trace of free sun power (100% priority) nor waste battery power or a cent of electricity fee!



How A Solar Gable Wall Fan with AC/DC Adapter Work

- In sunny time, the solar fan runs automatically by free solar power
- In cloudy time, it runs uninterruptedly by hybrid solar and grid power
- In sunless time, it keeps running by grid electricity

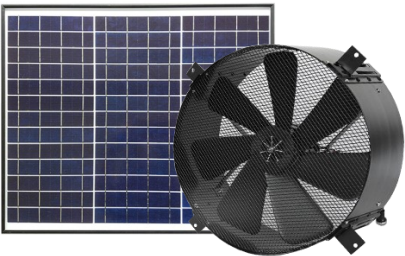


Model Selections

Sunny Day Time Running Solar Wall Ventilator



fan auto-runs powered by solar panel in sunny hours, when sunlight is available



| Models# | Solar Panel | Solar Panel Size | Fan Size | Air Flow | Motor Speed |
|-----------|-------------|------------------|-----------------------|-------------------|-------------|
| SN2015010 | 40W/24V | 415x495x25mm | 12'' (dia.317x175mm) | 2555CMH / 1503CFM | 1300RPM |
| SN2015004 | 40W/24V | 415x495x25mm | 14'' (dia.368x175mm) | 3000CMH / 1764CFM | 1210RPM |
| SN2016028 | 50W/24V | 495x495x25mm | 14'' (dia.368x175mm) | 3195CMH / 1879CFM | 1302RPM |
| SN2018032 | 60W/24V | 575x495x25mm | 14'' (dia.368x175mm) | 3406CMH / 2003CFM | 1400RPM |

Day & Night Time Nonstop Running Solar Wall Ventilator



fan auto-runs powered by solar panel in sunny hours, and keeps running by auto-switching to grid power in sunless time



| Models# | Solar Panel | Fan Size | Air Flow | Motor Speed | Energy Backup |
|-----------------------|-------------|----------|-------------------|-------------|-----------------------------|
| SN2015010 + SN2013016 | 40W/24V | 12'' | 2555CMH / 1503CFM | 1300RPM | 18V*1.5A AC/DC Adapter |
| SN2015004 + SN2013016 | 40W/24V | 14'' | 3000CMH / 1764CFM | 1210RPM | 18V*1.5A AC/DC Adapter |
| SN2016028 + SN2019013 | 50W/24V | 14'' | 3195CMH / 1879CFM | 1302RPM | 20.5V*1.5A AC/DC Adapter |
| SN2018032 + SN2019013 | 60W/24V | 14'' | 3406CMH / 2003CFM | 1400RPM | 20.5*1.5A AC/DC Adapter |

Day & Night Time Nonstop Freely Running Solar Wall Ventilator



fan auto-runs powered by solar panel in sunny hours, and keeps running by auto-switching to battery in sunless time

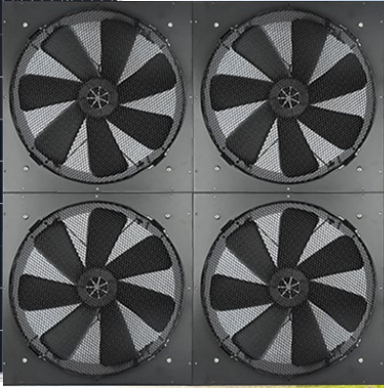
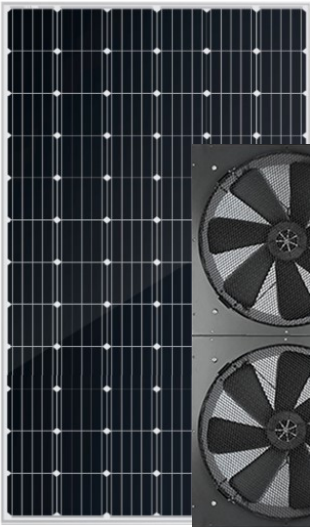


| Models# | Solar Panel | Fan Size | Air Flow | Motor Speed | Energy Backup |
|-----------|---------------|----------|-------------------|-------------|----------------------------|
| SN2013014 | 100W(50W+50W) | 12'' | 2736CMH / 1609CFM | 1390RPM | 16V*9.6Ah Solar Battery |
| SN2018002 | 100W(50W+50W) | 14'' | 3195CMH / 1879CFM | 1302RPM | |

MULTI PURPOSES VATILATOR, SERVES WELL EVERYWHERE SUITS ALL KINDS OF BUILDING INSTALLATION

- Attic Gable Ventilation & Heat Exhaust
- Basement / Garage Air Exchange
- Workshop / Warehouse Air Exhaust
- Greenhouse / Poultry Farm Air Circulation
- Prefab House / Log Cabin Home Ventilation





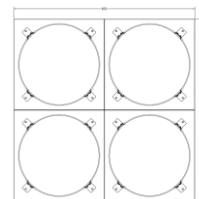
Customization Service

Customized Combination

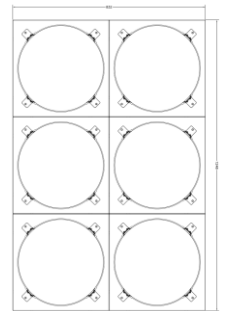
With additional mounting frames, 2 or more 14" wall fans can be assembled into one enlarged solar ventilation fan, to be powered by customized bigger solar panel. Such customized combined fan units are flexible to install and can deliver greater air flow for all kinds of area!



14" Solar Wall Fan with Square Frame



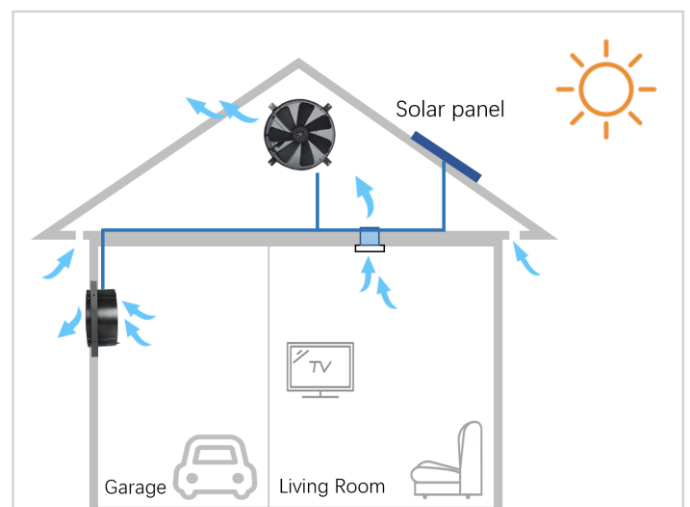
4-in-1
832x832mm



6-in-1
832x1248mm

Solar Ventilation System

Besides, several 12" / 14" wall exhaust fans can be powered by one big solar panel. So now you can customize an energy saving solar ventilation system per your own need, to benefit from Heaven-sent sunlight and make your house well-ventilated with fresh air and feel more comfortable!



Fan Accessories



AC/DC Adapter

When connected with an AC/DC power adapter, the solar fan can plug to the grid to keep running nonstop by mains supply for sunless periods.

AC Input: 100-240V

DC Output: 18V/ 20.5V 1.5A



Remote Controller

A wireless remote switch to make solar fan run/ stop most flexibly at any time, includes On/Off & 2hrs/4hrs Time Off functions; the fan will resume running automatically after 12 hours from the remote setting time; One-to-many control is workable within 15m.



Snap-action Thermostat

Attaching a thermostat to have the solar fan start / stop rotating mechanically at preset temperature.

[25°C thermostat] On: 25°C +/-3°C; Off: 18°C +/-3°C

[28°C thermostat] On: 28°C +/-3°C; Off: 21°C +/-3°C



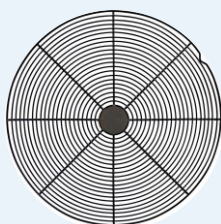
Manual Switch with Power Cord

A manual switch with 2m cable is added to have the solar fan on / off as per your need.



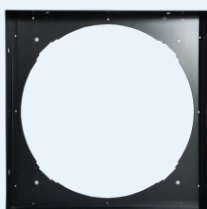
Adjustable Thermostat with Bypass Switch

An adjustable thermostat (0°C~50°C / 50°F~122°F) and a bypass switch are combined to have solar fan run/ stop more flexibly at any time; the switch button can bypass thermostat to always have the fan ON; include 2m cable to connect with fan.



Protective Fan Guard

Attaching a rear side circular metal fan guard to prevent fan blades getting damaged or animals going inside the house.



Square Frame

Galvanized steel 416x416mm mounting frame is to support easier installation, or connect several wall fans together to meet a variety of ventilation need.

Warranty

| Product Part | Designed lifespan | Warranty |
|--------------------|-------------------|----------|
| Metal Casing | 20 Years | 15 Years |
| Solar Panel | 25 Years | 15 Years |
| Brushless DC Motor | > 10 Years | 5 Years |
| Lithium Battery | 8 Years | 2 Years |
| AC/DC Adapter | 8 Years | 2 Years |

**The hereby lifespan & warranty terms are based on the product be used in regular residential / industrial housings, but not in those too humid or extreme condition places with acid and alkali corrosive gas / liquids.*

Contact us

Thanks for your kind attention on our solar products.
Please feel free to contact us for any further inquiry.



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We believe solar innovation will make a better place to live, for both us and future generations...