Solar Gable Wall Ventilation Fan

SUNNY INTERNATIONAL POWER LTD

Product Description

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)	• Backup Power Options > AC/DC adapter > Solar battery • Switch Options > Wireless remote controller > Adjustable thermostat with bypass switch > Snap-action thermostat > Manual switch with power cord • More Accessories > Metal circular fan guard > Square mounting frame

Solar Fan Details

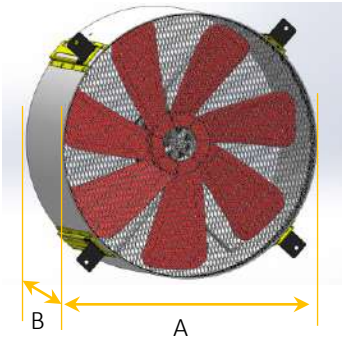
Exhaust Fan

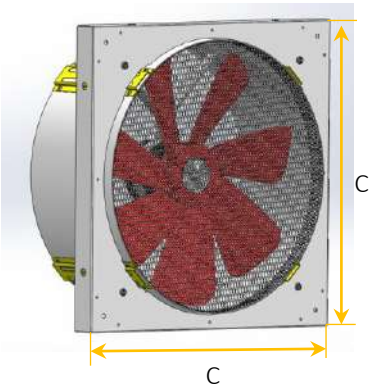
- ✓ Strong galvanized steel fan body, rustproof with anti-UV powder coating
- ✓ 7 pcs upgraded nylon-fiberglass fan blades, provides good air flow while less noise
- ✓ Waterproof IP68 BLDC motor for high efficiency, quiet operation and long lifespan
- ✓ 4 pcs slidable mounting brackets, front side protective 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

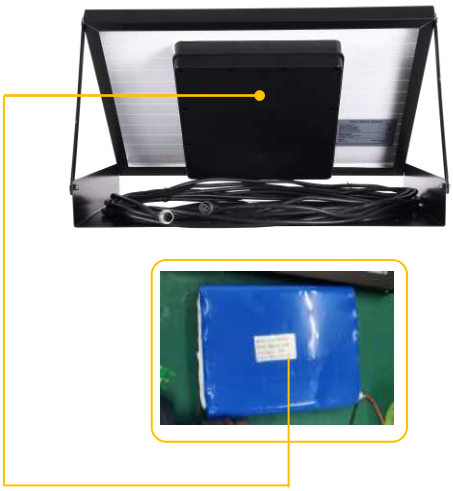
Solar Panel

- 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

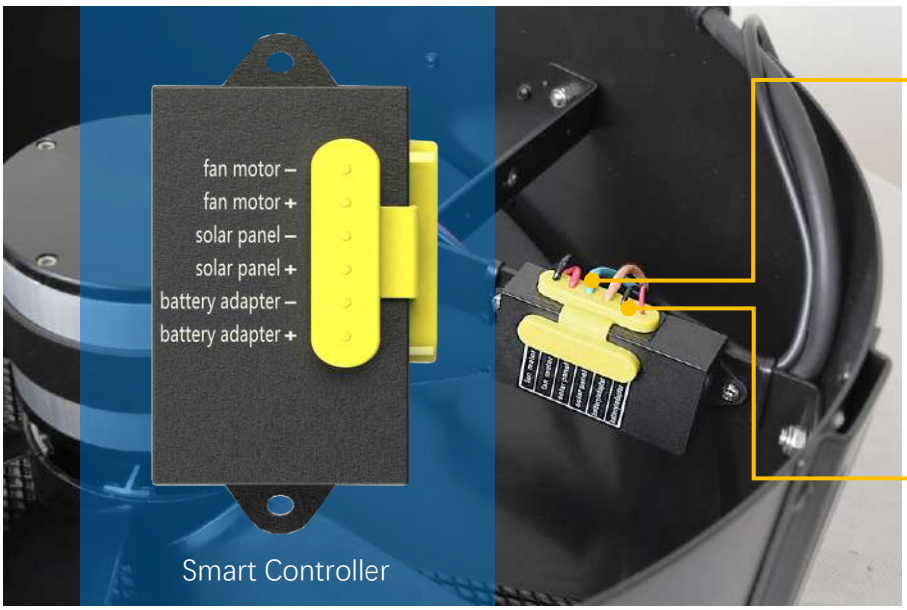
The solar battery collects & stores solar energy at day time to support the solar ventilator work continuously after sunset.



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℃
Cycle Life	2000 times

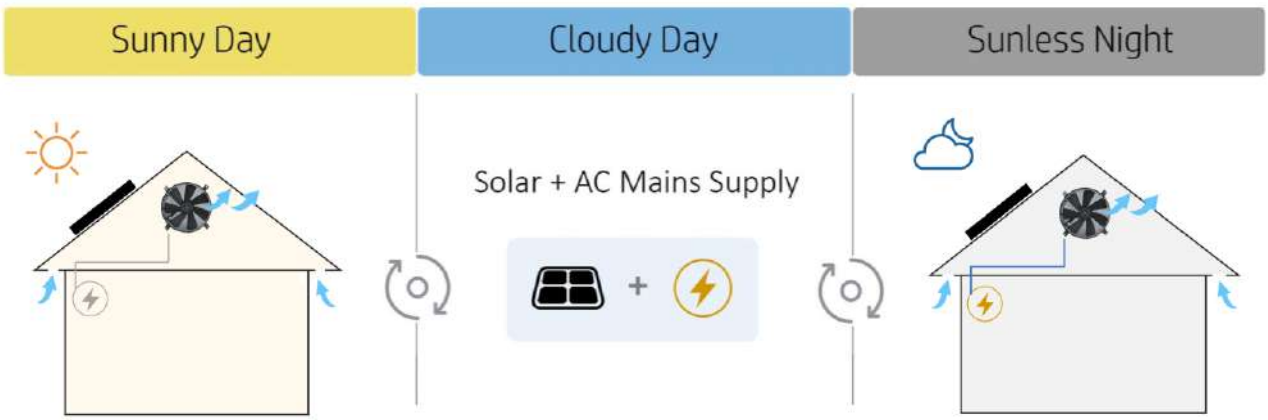
Smart Controller

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	

Application

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

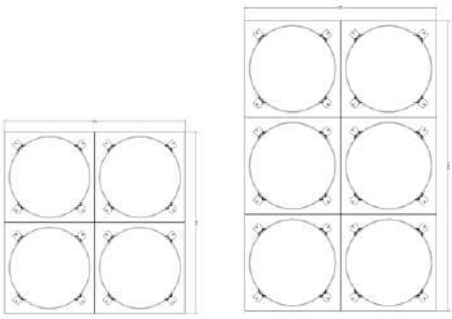
- Attic Gable Ventilation & Heat Exhaust
- Basement / Garage Air Exchange
- Workshop / Warehouse Air Exhaust
- Greenhouse / Poultry Farm Air Circulation
- Prefab House / Log Cabin Home Ventilation

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

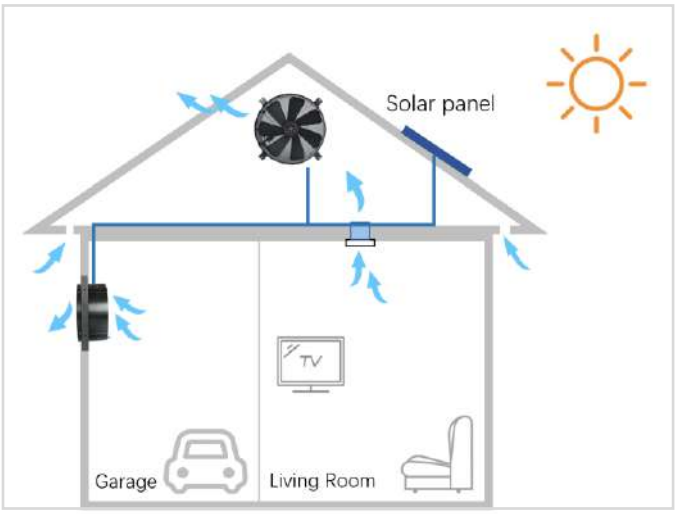


4-in-1
832x832mm

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.

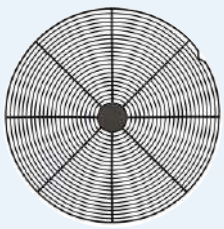
[25ºC thermostat] On: 25ºC +/-3ºC; Off: 18ºC +/-3ºC
[28ºC thermostat] On: 28ºC +/-3ºC; Off: 21ºC +/-3ºC

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℃~50℃ / 50℉~122℉) 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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Enjoy the sunlight, and stay cool with SIPL solar fans!

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