

# Solar Powered Ceiling Ventilator



SUNNY INTERNATIONAL POWER LTD

# Product Description

**SIPL Solar Ceiling Ventilator** is a green solar powered ceiling mounted centrifugal exhaust fan, driven by brushless DC motor and run for air exchanging, to improve indoor air ventilation by free sunlight, while letting you enjoy fresh breathing and green savings during daily life/work!

## Functions

- Strengthen air circulation
- Deduct harmful mildews
- Remove heat, moisture, dust, odor
- Solar dc powered, no rely on grid power
- Efficient power backup for running 24h

## Advantages

- Zero electricity cost
- Quiet running
- Plug and play, easy wiring & installation
- Energy saving & eco-friendly
- Good BLDC motor for long lasting
- Convenient operation by wireless remote control
- Once Pay, Benefit Long



## Application

Serves Well Everywhere

Suits All Kinds of Building Installation

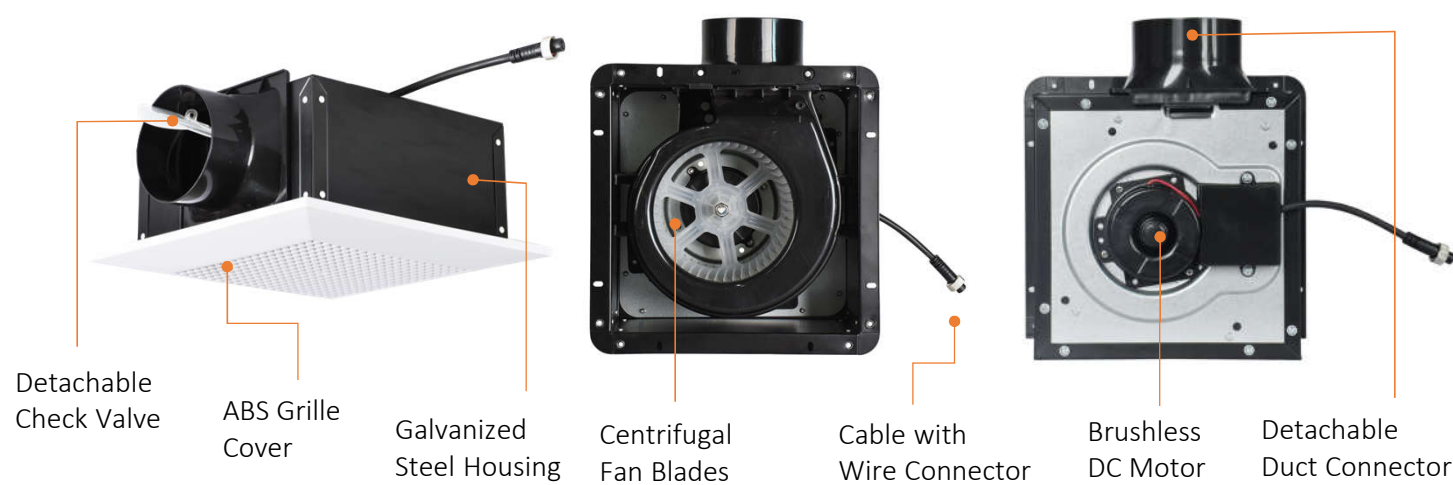
Go Green Life throughout 24h!

- Living room / Bathroom  
/ Bedroom / Study Room...
- Office/ Hotel / Restaurant /  
Conference Center...



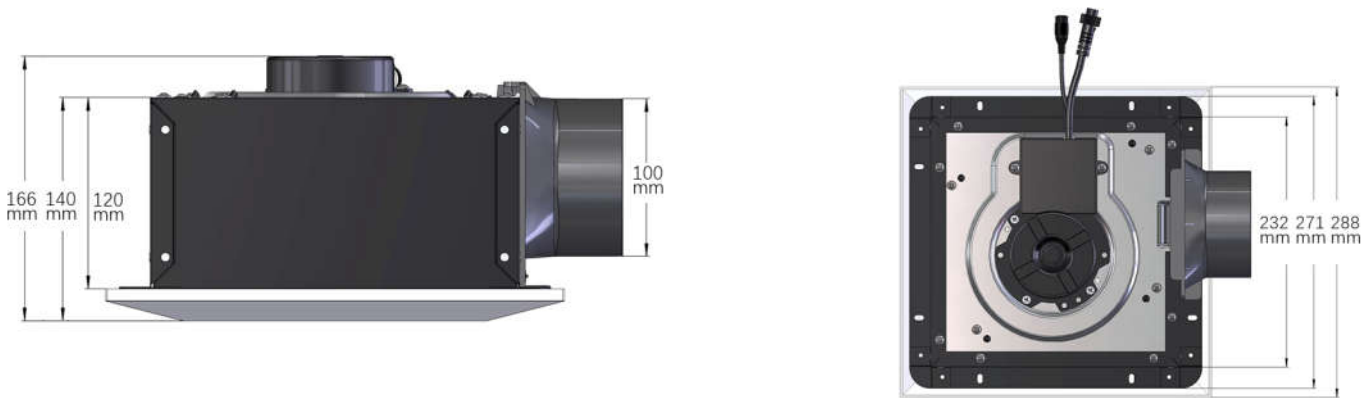
# Solar Fan Details

## Ceiling Ventilator Fan



### ➤ Dimension Table

Model#	Duct Size	Fan Housing	Grille Size	Opening Size
4"	Dia.100mm	271x271x146mm	288x288mm	240x240mm~270x270mm



### ➤ Fan Motor Parameter

#78mm Brushless DC Motor	
Voltage	6~24V
Power	≤40W
Diameter	78mm
Motor Speed	50-1550RPM ( per solar panel input )
IP Rate	IP63
Sound	No noise (< 45dB)
Designed lifetime	> 10 Years

Good Brushless Motor  
for Long Time Lifespan,  
High Energy Efficiency!



# Solar Panel

- 40W 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

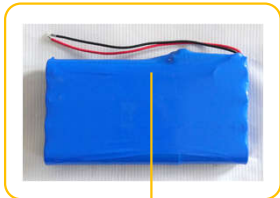


Option #	L(MM)	W(MM)	H(MM)	Battery	Opening Size
40W	415	495	25	/	For solar ventilator working in sunny day periods

## ➤ 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	40W/21V monocrystalline solar panel (415x495x67mm)
Inbuilt Battery	Lithium iron phosphate battery
Battery Capacity	9.6Ah; full charged in 6 hours under strong sun
Battery Discharge	20~21 hours
Operating Temperature	-20~60℃
Sound	No noise (< 45dB)
Cycle Life	2000 times

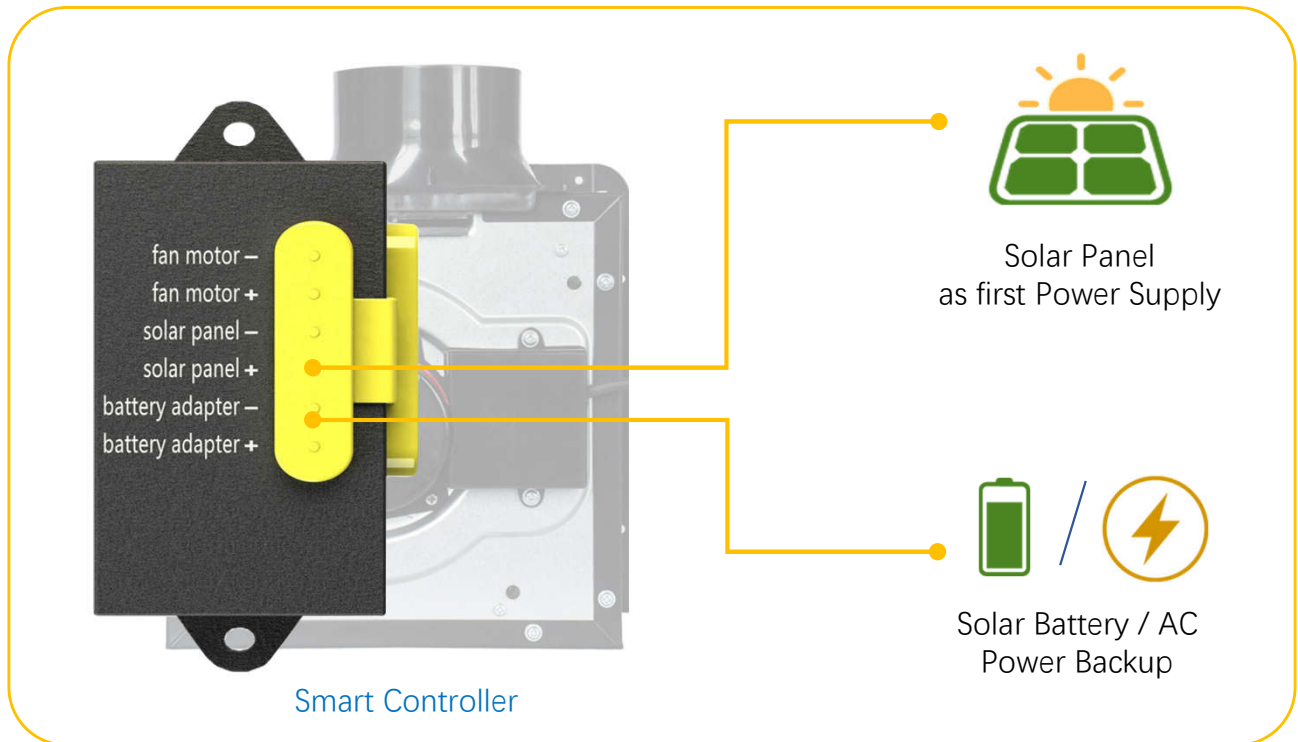




# Smart Controller

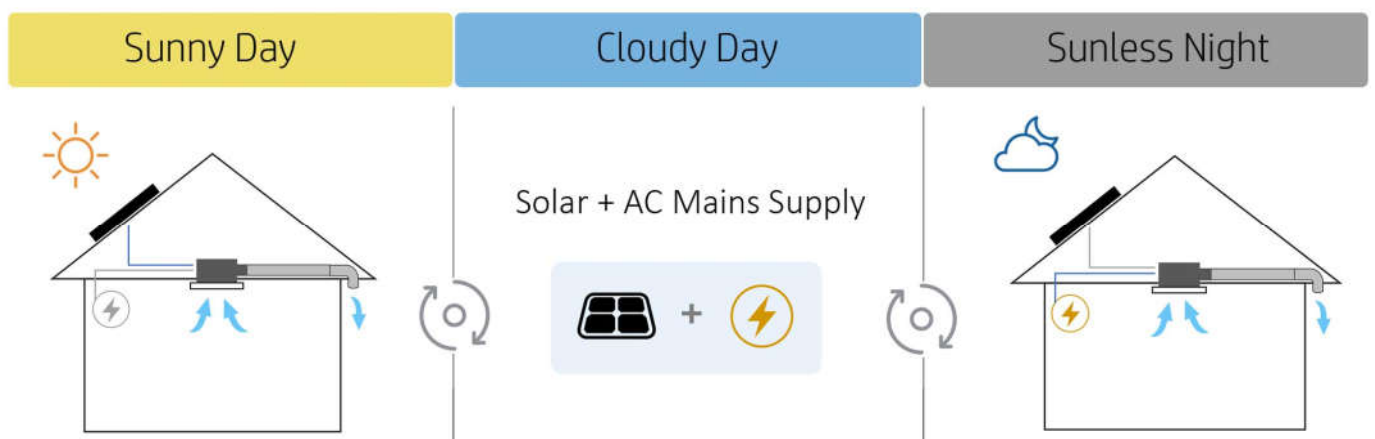
Not only can SIPL solar ceiling exhaust fan run freely in daytime by solar panel, but also it can keep ventilating in sunless time when equipped with solar battery or AC/DC adapter.

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 Ceiling Ventilator 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 Selection

## Day Time Freely Running Solar Ceiling Ventilator



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



Models#	Solar Panel	Air Outlet	Air Flow	Work Time
SN2016025	40W/24V monocrystalline solar panel	Dia.100mm	200CFM	Day Time

## Day & Night Time Nonstop Running Solar Ceiling 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	Air Outlet	Air Flow	Energy Backup	Work Time
SN2016026	40W/24V	Dia.100mm	200CFM	18V*1.5A AC/DC Adapter	Day & Night

## Day & Night Time Nonstop Freely Running Solar Ceiling 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	Air Outlet	Air Flow	Energy Backup	Work Time
SN2016027	40W + 40W (40W/24V+40W/21V )	Dia.100mm	200CFM	16V*9.6Ah Solar Battery	Day & Night

# More Fan Accessory

## Accessories to on/off the Fan



### Remote Controller

A wireless remote switch to have 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 run / stop 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

## Duct Fan Accessories

Aluminium foil tube / Hose clamp / Tee joints / Vent cap / Grille cover

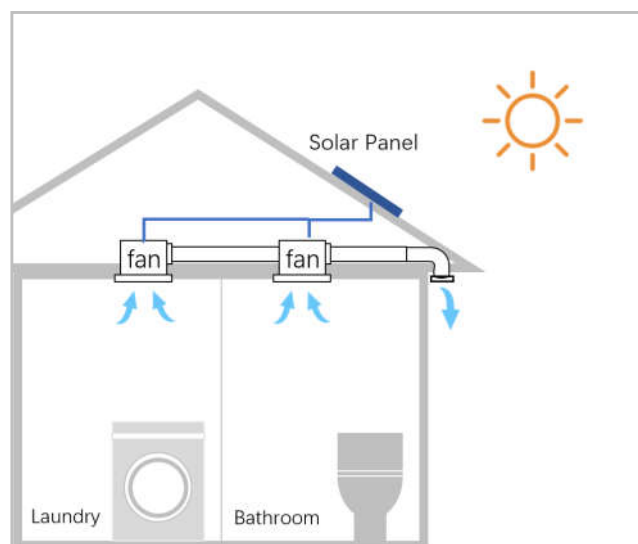


- Add pipeline for long distance air discharging
- Add vent caps to prevent outside rains
- Use tee joints to form a ventilation system

## Solar Ventilation System

Several ceiling exhaust fans can be powered by 1 big solar panel.

So you can customize a solar ventilation system per your own need, making the most of the Heaven-sent sunlight, to make your house well-ventilated with fresher air and more comfortable!



## Warranty

Product Part	Designed Lifespan	Warranty
Metal Casing	8 Years	5 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 housings, 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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cool with SIPL solar fans!



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