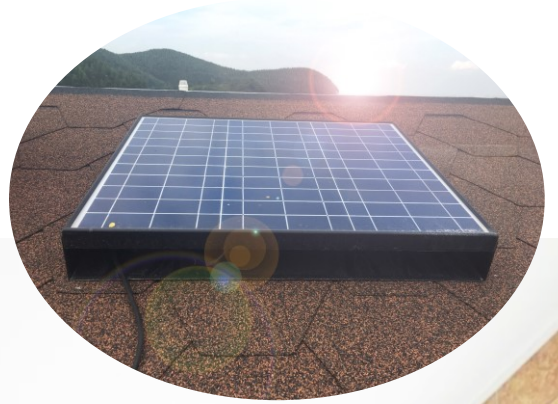


Solar Centrifugal Ducted Blower Fan



SUNNY INTERNATIONAL POWER LTD

Product Description

SIPL Solar Centrifugal Ducted Fan

A green solar powered wall/ ceiling mounted ventilation ducted blower fan, driven by brushless DC motor and run for air supply or exhaust, to improve indoor air ventilation freely by enjoying the generous sunlight.

Functions

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

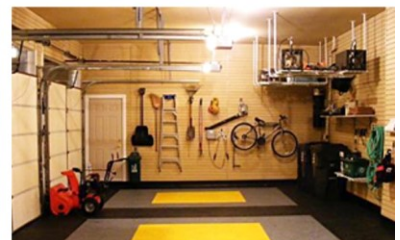
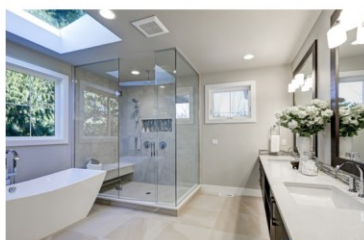
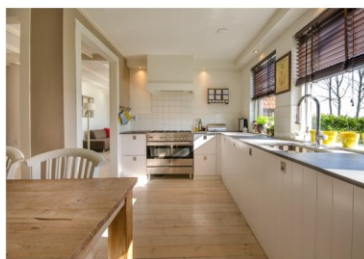
Advantages

- Solar powered at zero electricity cost
- Operation quietly & efficiently
- Energy saving & eco-friendly
- DIY Easy installation & wiring
- Good BLDC motor for longer lifespan
- Once Pay, Benefit Long



Application

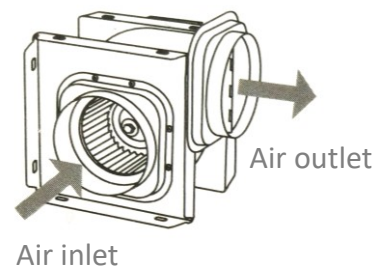
- Living room
- Bathroom
- Basement
- Garage
- Office
- Hotel
- Restaurant
- Recreation room
- Greenhouse
- ...



Solar Fan Details

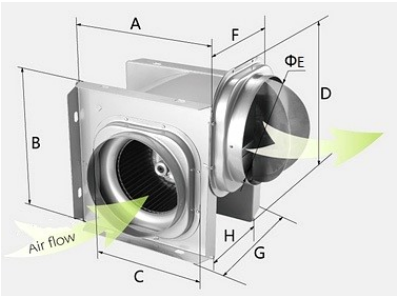
Centrifugal Fan

- ✓ All galvanized steel fan body with anti-UV powder coating, strong and rust protection for durability.
- ✓ Precision metal wind wheel, centrifugal operation with big air flow, running stably in low noise.
- ✓ Compact structure design - fan body is separated from the air inlet and outlet, vertical air discharging, flexible to install with various mounting options
- ✓ Equipped with high quality brushless DC motor, quiet operation, maintenance-free & longer service life.



➤ Dimension Table

Optio n#	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	H (MM)
6"	298	250	160	278	150	215	179	142
8"	350	300	235	360	200	285	235	190



➤ Fan Motor Parameter

#78mm Brushless DC Motor	
Voltage	18V DC (variable 6-21V per solar panel input)
Power	no higher than 40W
Diameter	78mm
Motor Speed	45-1750RPM per solar panel input
IP Rate	IP63
Sound	Quiet (< 45dB)

Long time lifespan,
High energy efficiency!



Solar Panel

- 40W / 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	/	for fan working in sunny day periods
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	40W 19.5V monocrystalline solar module
	60W 19.5V monocrystalline solar module
Inbuilt Battery	Lithium iron phosphate battery
Battery Capacity	9.6Ah; charged full in 5.5 hours
	19.2Ah; charged full in 7.4 hours
Battery Discharge	14.9 ~19.2 hours
Operating Temperature	-20~60℃
Cycle Life	2000 times



Model Selections

Day Time Freely Running Centrifugal Solar Blower Fan



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



Models#	Solar Panel	Air Outlet Diameter	Fan Host Size	Air Flow	Work Time
SN2016014	40W /19.5V	6'' / dia.150mm	293x285x185mm	273CFM	Sunny hours
SN2017001	60W /19.5V	8'' / dia.200mm	350x360x285mm	372CFM	

Day & Night Time Nonstop Running Centrifugal Solar Blower Fan



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

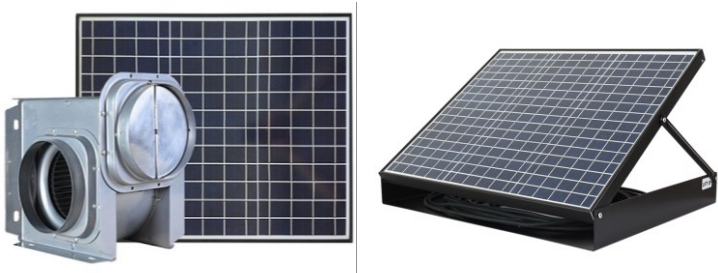


Models#	Solar Panel	Air Outlet Diameter	Air Flow	Backup Energy	Work Time
SN2016015	40W /19.5V	6'' / dia.150mm	273CFM	1.5A * 18V AC/DC adapter	Day & night 24 hours
SN2017002	60W /19.5V	8'' / dia.200mm	372CFM		

Day & Night Time Nonstop Freely Running Centrifugal Solar Blower Fan






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 Diameter	Air Flow	Backup Energy	Work Time
SN2016016	80W (40W/19.5V + 40W/19.5V)	6'' / dia.150mm	273CFM	16V 9.6Ah battery	Day & night
SN2017037	120W (60W/19.5V + 60W/19.5V)	8'' / dia.200mm	372CFM	16V 19.2Ah battery	

Customization Service

Switch Options

	<p><u>Remote Controller</u></p> <p>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.</p>
	<p><u>Snap-action Thermostat</u></p> <p>Attaching a thermostat to have the solar fan run/ stop mechanically at preset temperature.</p> <p>[25°C thermostat] On: 25°C +/-3°C; Off: 18°C +/-5°C</p> <p>[28°C thermostat] On: 28°C +/-3°C; Off: 21°C +/-5°C</p>
	<p><u>Manual Switch with Power Cord</u></p> <p>A manual switch is added to have the solar fan on / off flexibly as per your need.</p>

Duct Fan Accessories

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

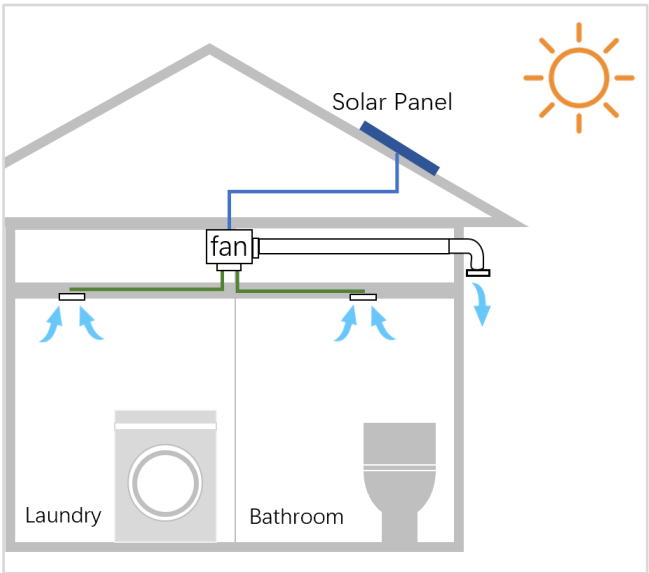


- Add pipeline for long distance air discharging
- Add vent caps to prevent outside rains
- Use tee joints to form a ventilation system

Solar Ventilation System

With foil tubes and tee joints, one solar centrifugal ducted fan can be used to make ventilation for multiple spaces.

Besides, bigger solar panel can be customized as per need, to power one or several solar fans at the same time.



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, 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.



SUNNY INTERNATIONAL POWER LTD

Tel: 0086 750-6219188 Fax: 0750-6219198
Email: sales@sunnyintlpowerltd.com
Website: www.sunnyintlpowerltd.com
www.sipl.en.alibaba.com



Enjoy the sunlight, and stay cool with SIPL solar fans!



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