



# Solar Ceiling Fan



SUNNY INTERNATIONAL POWER LTD

# Product Description

## An ultra quiet multifunctional solar ceiling fan with light

It is a solar dc ceiling fan with light for both cooling & lighting purpose;. Driven by top grade brushless motor, SIPL solar fan features in high efficiency and quiet operation. Also, with remote control, it conveniently provides cool wind by Nature's free solar energy.

## Efficient hybrid power supply for day & night running

It is a day & night running solar ceiling fan, designed with hybrid power supply mode. Powered by solar panel and grid power/ battery backup, it realizes energy savings of up to 90%, as an energy efficient green cool fan, even no dependence on grid electricity.

Here comes our solar ceiling fan [system A & B](#):

### System A: Hybrid solar fan with AC/DC adapter

Power: solar panel and grid power as backup



+



solar panel

grid power backup

### System B: Off-grid solar fan with battery

Power: solar panel and battery backup



+



solar panel

battery backup



Sunny

In sunny daytime, the solar fan would run directly powered by solar panel.



Cloudy

In cloudy time, the solar fan keeps running powered both by solar panel and grid electricity / battery.



Night

In night time, the solar fan continuously runs under grid electricity / battery power.

## Smart controlled automatic interaction system

Under smart control, the solar ceiling fan with adapter / battery system always gives priority to utilise the power from solar panel directly in sunny daytime. While it can automatically switch to mains supply / solar battery as backup when sunlight is weak or at night. Furthermore, when the sun arise again, backup power will exit automatically, so as to reserve battery power or save electricity. Such smart automatic interaction system is of high efficiency and works well for most SIPL solar fan series.



Love the Sunshine  
Love the Solar Cool Soft Wind



## Features And Benefits

Practical solar cooling & lighting by **1** time installation

Efficient power backup design for running **24** hours

**2** optional forward and reversal running modes for year-round use

Smart switch to **2** alternative backup supplies with no manual operation

No noise, low temperature rising and long lasting by good brushless motor  
over **70%** less energy consumption than ordinary electric fan

Easy and quick assembly and installation within **1** hours

High quality fan motor with over **10** years design lifespan, **5** years warranty



Green Energy



Quiet Operation



Ecofriendly



High Quality



5 Years Warranty



## GREEN SOLAR FAN

### New Fashion of Go Green Life by Free Sunlight

Eco-friendly, easy to install and even no rely on AC grid, SIPL solar ceiling fan can be widely applied in residential house, lounge, recreational room, courtyard, outdoor patio garden, gazebo, summerhouse, garage, basement, workshop, studio, office, winter garden, solar dome house, wooden house, luxury tent house...it comes to get you more closer to green cool life by enjoying the generous free sunlight!



# Model Selections

## 42'' Solar Ceiling Fan with AC/DC Adapter



An ultra quiet 42'' green solar ceiling fan with light, powered by 60W solar panel during sunny hours, while with AC/DC adapter to use grid electricity as backup for day and night running.

Model	SN2017025
Ceiling Fan	42 inch (1067mm)
Power Mode	Powered by solar panel in day time, grid power involved when sunlight is weak; powered by grid electricity at night
Solar Panel	60W 24V monocrystalline solar panel ( 575*495*25mm ) angle adjustable with mounting base & bracket
AC/DC Adapter	36W 24V
Cable	15m cable to connect fan & solar panel
Packing size	1 set/2 cartons fan: 680x290x310mm solar panel: 600x520x70mm

### Fan Performance

Fan Size	42 inch (1067mm)
Blades	3 pcs, ABS
Boom	6 Inch (150mm)
Motor	18W 24V brushless DC ( equal to AC80W )
Light	10W LED ( equal to AC25W )
Color	Black / White
Area Suitability	6~12m <sup>2</sup>
Rotating Speed	Adjustable 5 Speeds ( 60~300RPM )
Rotating Modes	Forward summer and reverse winter modes
Remote Controller	Remote control, PWM, 5 speeds, forward and reverse running, timing function

	LED light
	AC/DC adapter
	Power controller
	Remote controller

# 42'' Solar Ceiling Fan with Battery



An ultra quiet 42'' 100% green solar ceiling fan with light, powered by 60W solar panel during sunny hours, while with 60W solar battery as backup power for day and night running freely at no energy cost.

Model	SN2017042
Ceiling Fan	42 inch (1067mm)
Power Mode	Powered by solar panel in day time, battery power involved when sunlight is weak; powered by battery at night
Solar Panel	120W (60W 24V + 60W 30V) monocrystalline solar panel ( 2 x 575*495*67mm ) angle adjustable with mounting base & brackets
Battery	25.6V*9.6AH lithium storage battery ( lithium iron phosphate ) full charged in 6h, durable for 9.7~25.3h
Cable	15m cable to connect fan & solar panel
Packing size	1 set/2 cartons, fan: 680x290x310mm solar panel: 600x520x130mm

Fan Performance	
Fan Size	42 inch (1067mm)
Blades	3 pcs, ABS
Boom	6 Inch (150mm)
Motor	18W 24V brushless DC ( equal to AC80W )
Light	10W LED ( equal to AC25W )
Color	Black / White
Area Suitability	6~12m <sup>2</sup>
Rotating Speed	Adjustable 5 Speeds ( 60~300RPM )
Rotating Modes	Forward summer and reverse winter modes
Remote Controller	Remote control, PWM, 5 speeds, forward and reverse running, timing function



LED light



Power controller



Remote controller

# 60'' Solar Ceiling Fan with AC/DC Adapter



An ultra quiet 60'' green solar ceiling fan with light, powered by 60W solar panel during sunny hours, while with AC/DC adapter to use grid electricity as backup for day and night running.

Model	SN2015031
Ceiling Fan	60 inch (1524mm)
Power Mode	Powered by solar panel in day time, grid power involved when sunlight is weak; powered by grid electricity at night
Solar Panel	60W 24V monocrystalline solar panel ( 575*495*25mm ) angle adjustable with mounting base & bracket
Power Adapter	36W 24V
Cable	15m cable to connect fan & solar panel
Packing size	1 set/2 cartons fan: 680x290x310mm solar panel: 600x520x70mm

## Fan Performance

Fan Size	60 inch (1524mm)
Blades	3 pcs, ABS
Boom	6 Inch (150mm)
Motor	20W 24V brushless DC ( equal to AC80W )
Light	10W LED ( equal to AC25W )
Color	White
Area Suitability	15~25m <sup>2</sup>
Rotating Speed	Adjustable 5 Speeds ( 60~220RPM )
Rotating Modes	Forward summer and reverse winter modes
Remote Controller	Remote control, PWM, 5 speeds, forward and reverse running, timing function



LED light



AC/DC adapter



Power controller



Remote controller



# 60'' Solar Ceiling Fan with Battery



An ultra quiet 60'' 100% green solar ceiling fan with light, powered by 60W solar panel during sunny hours, while with solar battery as backup power for day and night running freely at no energy cost.

Model	SN2015033
Ceiling Fan	60 inch (1524mm)
Power Mode	Powered by solar panel in day time, battery power involved when sunlight is weak; powered by battery at night
Solar Panel	120W (60W 24V + 60W 30V) monocrystalline solar panel ( 2 x 575*495*67mm ) angle adjustable with mounting base & brackets
Battery	25.6V*9.6AH lithium storage battery ( lithium iron phosphate ) full charged in 6h, durable for 9.4~16.8h
Cable	15m cable to connect fan & solar panel
Packing size	1 set/2 cartons, fan: 680x290x310mm solar panel: 600x520x130mm

Fan Performance	
Fan Size	60 inch (1524mm)
Blades	3 pcs, ABS
Boom	6 Inch (150mm)
Motor	20W 24V brushless DC ( equal to AC80W )
Light	10W LED ( equal to AC25W )
Color	White
Area Suitability	15~25m <sup>2</sup>
Rotating Speed	Adjustable 5 Speeds ( 60~220RPM )
Rotating Modes	Forward summer and reverse winter modes
Remote Controller	Remote control, PWM, 5 speeds, forward and reverse running, timing function



LED light



Power controller



Remote controller



# Electrical Performance



## 42” Solar Ceiling Fan

Input Motor Voltage	24V ( solar panel voltage variable 16~25.5V)				
Rate (1~5 Speeds)	1	2	3	4	5
Motor Current (A)	0.11	0.19	0.27	0.48	0.72
Motor Power (W)	2.64	4.56	6.48	11.52	17.28
Motor Speed (RPM)	98	150	180	232	268
LED Light Current (A)	0.27				
LED Light Power (W)	6.48				
Total Power (W)	9.12	11.04	12.96	18	23.76
Discharging Time for 9.6Ah backup battery (Hrs)					
Only fan works	87.27	50.53	35.53	20	13.33
Only light works	35.56				
Fan & light work	25.26	20.87	17.78	12.8	9.7



## 60” Solar Ceiling Fan

Input Motor Voltage	24V ( solar panel voltage variable 16~25.5V)				
Rate (1~5 Speeds)	1	2	3	4	5
Motor Current (A)	0.3	0.41	0.47	0.6	0.75
Motor Power (W)	7.2	9.84	11.28	14.4	18
Motor Speed (RPM)	143	163	175	193	213
LED Current (A)	0.27				
LED Power (W)	6.48				
Total Power (W)	13.68	16.32	17.76	20.88	24.48
Discharging Time for 9.6Ah backup battery (Hrs)					
Only fan works	32	23.4	20.4	16	12.8
Only light works	35.56				
Fan & light work	16.8	14.1	13	11	9.4

# Key Accessory



## Smart Power Controller

To connect with the fan motor, solar panel and AC/DC adapter/ solar battery.

- Automatic switchover
- Remote receiver included



## Remote Controller

- Lamp on / off
- Fan on / off
- Variable 5 speeds
- 2 running modes: forward / reversal
- Time setting: 1 / 2 / 4 / 8 hours



## AC/DC Power Adapter

When connected with a dual power adapter, the solar ceiling fan can keep running by using mains supply (grid electricity) for sunless periods.

- AC Input: 100-240V
- DC output: 24V 1.5A
- Standard: CE, UL, SAA...



## Solar Battery

The solar battery stores energy at daytime as backup power. With solar battery, the solar ceiling fan system can keep working for sunless periods.

- Battery: lithium iron phosphate battery, integrated with solar panel
- Charge: charged by solar panel, with overcharge, over discharge, short circuit protection
- Operating temperature: -20~60°
- Capacity: 9.6Ah
- Cycle life: 2000 times

# Warranty

Product Part	Designed lifespan	Warranty
Fan Host	20 Years	10 Years
Solar Panel	25 Years	15 Years
Brushless Motor	Over 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 SIPL solar products.  
Please feel free to contact us for any further inquiry.



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