



# Solar Ceiling Fan

Coulee Limited



Green Energy



Ecofriendly



High Quality



5 Years Warranty

# — Product Description —



## 1. 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, ensuring high efficiency and quiet operation; With remote control, it conveniently provides cool wind by nature's free solar energy.

## 2. Hybrid power supply system for day & night running

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

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

### System A: Solar ceiling fan with adapter

Power: solar panel and grid power as backup



solar panel

+



grid power backup

### System B: Solar ceiling fan with battery

Power: solar panel and battery backup



solar panel

+



battery backup

### Sunny



In sunny daytime, the ceiling fan is running directly powered by solar panel.

### Cloudy



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

### Night



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

## 3. Make automatic interaction to backup power

Equipped with smart controller, the solar ceiling fan with adapter / battery system always gives priority to utilise energy from solar panel in sunny daytime, while makes automatic interaction to grid electricity / solar battery when sunlight is weak or at night.



## Key Features & Benefits



Love the Sunshine!  
Love the Solar Cool Soft Wind!

Solar cooling & lighting by **1** time installation  
Work at day & night with **2** optional rotating modes  
**70%** less energy consumption than ordinary electric fan  
Quieter running and lower temperature rise by brushless motor  
Smart switch to **2** alternative backup power with no manual operation  
High quality fan motor with over **10** years design lifespan, **5** years warranty



Green Energy



Quiet Operation



Ecofriendly



High Quality



5 Years Warranty

# — Application —

User-friendly, easy to install and even no rely on AC grid, CLSF solar ceiling fan can be widely applied in residential house, lounge, recreational room, courtyard, patio garden, garage, basement, office, supermarket, library, prefab house, winter garden, solar dome house, wooden house, luxury tent house, tree house... it make you closer to cool green life by solar.



# — Model Selections —

## 42" Solar ceiling fan with adapter



An ultra quiet 42" green solar ceiling fan with light, powered by 40W solar panel, while with power adapter connected to grid electricity as backup power for all day running efficiently.

<b>Model</b>	CLSF2017025
<b>Ceiling Fan</b>	42 inch (1067mm)
<b>Power Supply</b>	Powered by solar panel in day time, grid power involved when sunlight is weak; powered by grid electricity at night
<b>Solar Panel</b>	40W 25.5V polycrystalline solar panel adjustable with mounting base & bracket ( <a href="#">more customized solar panel is available</a> )
<b>Power Adapter</b>	36W 24V
<b>Cable</b>	15m cable to connect fan & solar panel
<b>Packing size</b>	Fan: 588x275x290mm, GW: 6.65KG Solar panel: 515x510x55mm, GW: 6.6KG
<b>Packing (QTY/CBM)</b>	1 set/2 cartons, (400pcs/20'GP, 860pcs/ 40' GP, 939pcs/40'HQ)

### Fan Performance

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



LED light

Power adapter

Power controller

Remote controller

# 42" Solar ceiling fan with battery



An ultra quiet 42" 100% green solar ceiling fan with light, powered by 40W solar panel, while with solar battery inbuilt as backup power for day and night running freely at no cost.

<b>Model</b>	CLSF2017042
<b>Ceiling Fan</b>	42 inch (1067mm)
<b>Power Supply</b>	Powered by solar panel in day time, battery power involved when sunlight is weak; powered by battery at night
<b>Solar Panel</b>	90W (40W 26V + 50W 30V) polycrystalline solar panel with mounting brackets ( <a href="#">more customized solar panel is available</a> )
<b>Battery</b>	25.6V, 9.6AH, lithium iron phosphate, full charged in 6h, durable for 13.3h (when only fan works at 5 rate in sunless time)
<b>Cable</b>	15m cable to connect fan & solar panel
<b>Packing size</b>	Fan: 588x275x290mm, GW: 6.65KG Solar panel: 890x685x90mm, GW: 14.3KG
<b>Packing (QTY/CBM)</b>	1 set/2 cartons, (260pcs/20' GP, 528pcs/ 40' GP, 623pcs/40'HQ))

## Fan Performance

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



LED light



Power controller



Remote controller

# 60'' Solar ceiling fan with adapter



An ultra quiet 60'' green solar ceiling fan with light, powered by 40W solar panel, while with power adapter connected to grid electricity as backup power for all day running efficiently.

<b>Model</b>	CLSF2015031
<b>Ceiling Fan</b>	60 inch (1524mm)
<b>Power Supply</b>	Powered by solar panel in day time, grid power involved when sunlight is weak; powered by grid electricity at night
<b>Solar Panel</b>	40W 25.5V polycrystalline solar panel adjustable with mounting base & bracket ( <a href="#">more customized solar panel is available</a> )
<b>Power Adapter</b>	36W 24V
<b>Cable</b>	15m cable to connect fan & solar panel
<b>Packing size</b>	Fan: 670x280x295mm, GW: 10.9KG Solar panel: 515x510x55mm, GW: 6.6KG
<b>Packing (QTY/CBM)</b>	1 set/2 cartons, (400pcs/20'GP, 860pcs/ 40' GP, 939pcs/40'HQ)

## Fan Performance

<b>Fan Size</b>	60 inch (1524mm)
<b>Blades</b>	3 pcs, ABS
<b>Boom</b>	6 Inch (150mm)
<b>Motor</b>	20W 24V brushless DC ( equal to AC80W )
<b>Light</b>	10W LED ( equal to AC25W )
<b>Color</b>	White
<b>Area Suitability</b>	15~35m <sup>3</sup>
<b>Rotating Speed</b>	Adjustable 5 Speeds ( 60~220RPM )
<b>Rotating Modes</b>	Forward summer and reverse winter modes
<b>Remote Controller</b>	Remote control, PWM, 5 speeds, forward and reverse running, timing function



LED light

Power adapter

Power controller

Remote controller

# 60'' Solar ceiling fan with battery



An ultra quiet 60'' 100% green solar ceiling fan with light, powered by 40W solar panel, while with solar battery inbuilt as backup power for day and night running freely at no cost.

<b>Model</b>	CLSF2015033
<b>Ceiling Fan</b>	60 inch (1524mm)
<b>Power Supply</b>	Powered by solar panel in day time, battery power involved when sunlight is weak; powered by battery at night
<b>Solar Panel</b>	90W (40W 26V + 50W 30V) polycrystalline solar panel with mounting bracket ( <a href="#">more customized solar panel is available</a> )
<b>Battery</b>	25.6V, 9.6AH, lithium iron phosphate, full charge in 6h, durable for 12.8h ( when only fan works at 5 rate in sunless time )
<b>Cable</b>	15m cable to connect fan & solar panel
<b>Packing size</b>	Fan: 670x275x290mm, GW: 10.9KG Solar panel: 890x685x90mm, GW: 14.3KG
<b>Packing (QTY/CBM)</b>	1 set/2 cartons, (260pcs/20'GP, 528pcs/ 40' GP, 623pcs/40'HQ))

## Fan Performance

<b>Fan Size</b>	60 inch (1524mm)
<b>Blades</b>	3 pcs, ABS
<b>Boom</b>	6 Inch (150mm)
<b>Motor</b>	20W 24V brushless DC ( equal to AC80W )
<b>Light</b>	10W LED ( equal to AC25W )
<b>Color</b>	White
<b>Area Suitability</b>	15~35m <sup>3</sup>
<b>Rotating Speed</b>	Adjustable 5 Speeds ( 60~220RPM )
<b>Rotating Modes</b>	Forward summer and reverse winter modes
<b>Remote Controller</b>	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 LED works	35.56				
Fan & LED work	16.8	14.1	13	11	9.4

## — Key Accessory —



### Smart Power Controller

To be connected with the fan motor, led light and the power adapter / solar panel with battery.

- Automatic detection & switchover



### Remote Controller

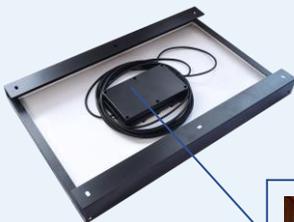
- Lamp on / off
- Fan on / off
- 5 speeds modes
- 2 running modes: forward / reversal
- Time setting: 1 / 2 / 4 / 8 hours



### AC / DC Dual Power Adapter

When connected with a dual power adapter, the solar ceiling fan can keep working for sunless periods, by having grid electricity involved as backup power.

- AC Input: 100-240V
- DC output: 24V 1.5A
- Wire: 6 meters long
- Standard: CE, UL, SAA...



### Solar Battery

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

- Battery: lithium iron phosphate battery, inbuilt & 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
Motor	Over 10 Years	5 Years
Lithium Battery	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 to Coulee solar fans.  
Please feel free to contact us for more details.



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



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