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> ecoCalm 52" Solar Ceiling Fan with Battery and Adjustable Thermostat Instruction Manual

ecoCalm KP-SCFL52

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Model: KP-SCFL52

INTRODUCTION

Thank you for choosing the ecoCalm 52" Solar Ceiling Fan. This manual provides essential information for the safe and efficient operation of your new ceiling fan. Please read it thoroughly before installation and use, and retain it for future reference.

This solar-powered ceiling fan is designed for outdoor use in areas such as gazebos, patios, porches, barns, and sheds. It features a rechargeable battery, adjustable thermostat, and bifacial solar panels for enhanced energy efficiency.



Image: Overview of the ecoCalm 52" Solar Ceiling Fan, highlighting its 1-3 wind levels, 530-706 ft³ coverage area, and 8610 CFM airflow.

PACKAGE CONTENTS

Ensure all components are present and undamaged before proceeding with installation.



Image: Diagram illustrating the included accessories: 2 Solar Panels, 52-inch Ceiling Fan, Solar Power Bank, Cables, Manual, and Screw Set.

- 1 x 52" Ceiling Fan with Light
- 2 x 30W Bifacial Solar Panels
- 1 x Rechargeable Battery Power Bank with MPPT Technology
- 1 x Remote Control
- 1 x Set of Mounting Hardware (screws, anchors)
- 1 x User Manual
- Connection Cables

SETUP AND INSTALLATION

Follow these steps for proper installation of your ecoCalm solar ceiling fan.

1. Mounting the Ceiling Fan

1. Choose a suitable location for the ceiling fan, ensuring it is a stable overhead structure capable of supporting the fan's weight.
2. Use the provided mounting hardware to securely attach the fan bracket to the chosen location.
3. Attach the fan to the mounted bracket, ensuring all connections are secure.

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Video: Detailed guide on the installation process of the ecoCalm 52" Solar Ceiling Fan.

2. Connecting Solar Panels and Battery

1. Position the bifacial solar panels in an area that receives maximum direct sunlight throughout the day. The bifacial design allows for power generation from both sides, increasing efficiency.
2. Connect the solar panels to the provided cables.
3. Connect the cables from the solar panels to the solar power bank.
4. Connect the power bank to the ceiling fan. Ensure all connections are tight and secure to prevent power loss or damage.



Image: Illustrates the connection diagram for the solar panels (18V 30W), battery (14.8V 7500mAh), and the 52-inch fan, showing cable lengths and cooling/lighting durations.

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Video: Instructions on how to properly connect the cords for the 52" Solar Ceiling Fan Light Kit.

Efficient Solar Power Charge System

Generate power from both side

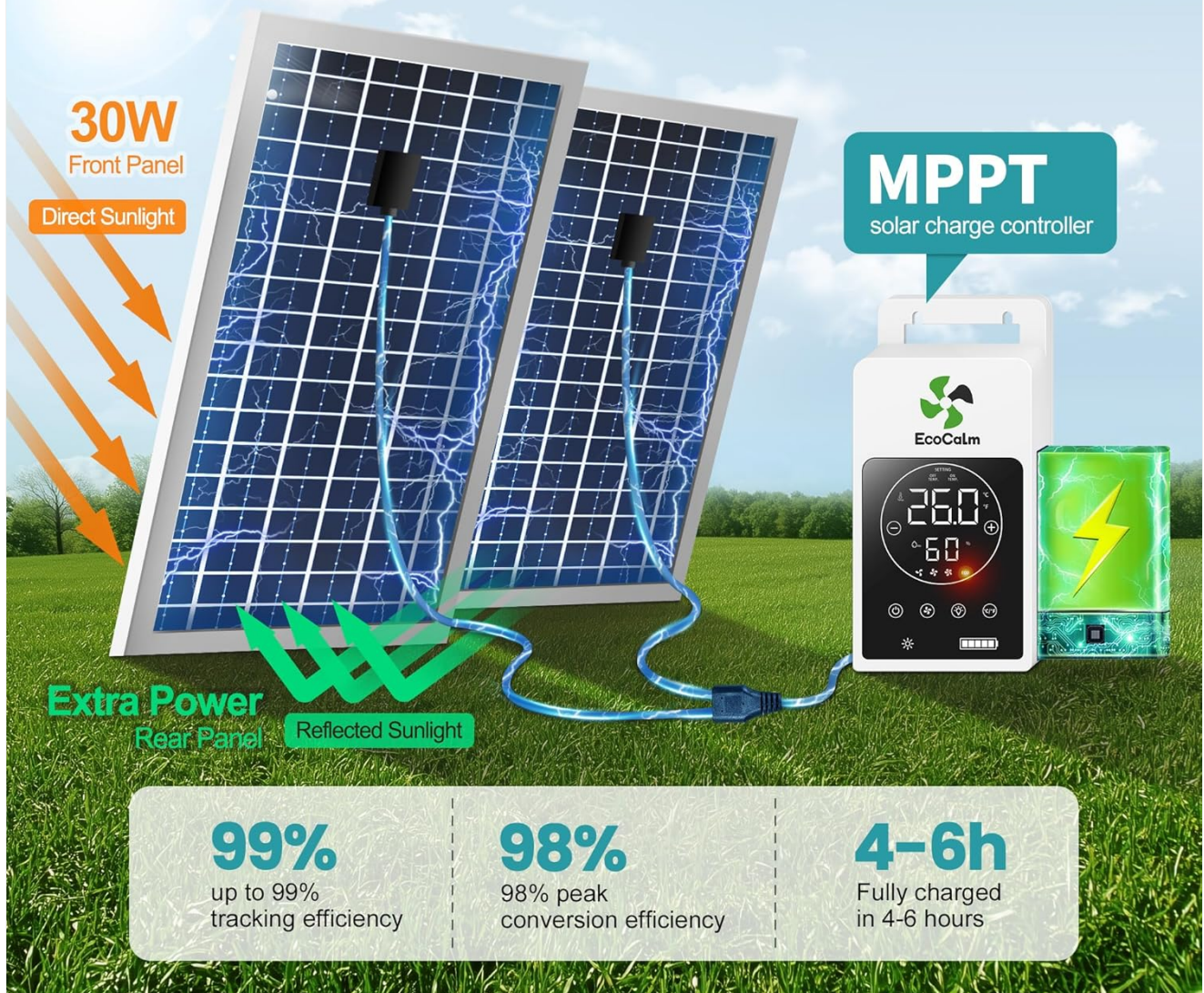


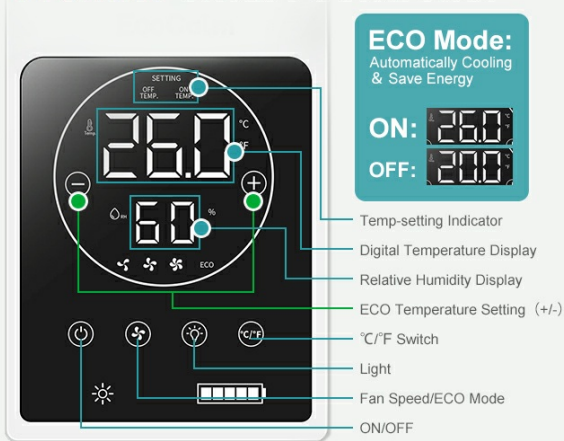
Image: Demonstrates the efficient solar power charge system, featuring 30W bifacial panels, MPPT solar charge controller, and charging efficiency details.

OPERATING INSTRUCTIONS

Your ecoCalm solar ceiling fan can be operated using the integrated control panel on the power bank or the provided remote control.

Control Panel Functions:

Premier Smart Controller



ECO Mode: Automatically Cooling & Save Energy

ON: 26.0
OFF: 20.0



Image: Detailed view of the Premier Smart Controller, explaining ECO Mode, temperature settings, fan speed, light control, and ON/OFF functions.

- **Power On/Off:** Press and hold the power button for 3 seconds to turn the system on or off.
- **Fan Speed:** Tap the fan speed button to cycle through 3 wind speeds (8610 CFM airflow).
- **Light Control:** Tap the light button to adjust the 3-level LED light (4000K natural white, 4648 lumens).
- **ECO Mode:** Activate ECO Mode for automatic temperature-based operation. By default, the fan turns on at 26°C and off at 20°C. Use +/- buttons to adjust the auto-on temperature.
- **Temperature Display:** The digital display shows current temperature and relative humidity.

Remote Control Functions:

The remote control offers convenient operation from a distance. Refer to the remote's markings for specific button functions, including fan speed adjustment, light brightness/color temperature, and timer settings.

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Video: Overview of the ecoCalm Solar Ceiling Fan Light with Battery, demonstrating its features and operation.

Adjustable Thermostat



Image: Close-up of the adjustable thermostat on the ecoCalm control panel, showing temperature setting and ECO Mode functionality.

MAINTENANCE

- **Cleaning:** Regularly wipe the fan blades and light cover with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Solar Panels:** Keep solar panels clean and free of dust, dirt, and debris to ensure optimal charging efficiency. Clean with water and a soft brush or cloth.
- **Battery:** For prolonged lifespan, avoid fully discharging the battery frequently. Charge the battery regularly, especially during periods of low sunlight.
- **Inspections:** Periodically check all connections and mounting hardware for tightness and wear.

TROUBLESHOOTING

- **Fan Not Operating:**

- Check if the power bank is turned on and has sufficient charge.
 - Ensure all cables are securely connected between the fan, power bank, and solar panels.
 - Verify the remote control batteries are functional.
- **Light Not Turning On:**
 - Check power bank charge.
 - Ensure light function is activated via control panel or remote.
- **Battery Not Charging:**
 - Ensure solar panels are in direct sunlight and free from obstructions.
 - Clean solar panel surfaces.
 - Check solar panel cable connections.
- **Weak Airflow:**
 - Increase fan speed setting.
 - Ensure fan blades are clean and unobstructed.

SPECIFICATIONS

| Feature | Detail |
|----------------------------|--|
| Model Name | KP-SCFL52 |
| Brand | ecoCalm |
| Product Dimensions | 11.8"D x 52"W x 52"H |
| Power Source | Solar Powered (with rechargeable battery) |
| Solar Panels | 2 x 30W Bifacial Panels |
| Battery Life (Fan & Light) | 4-14 hours |
| Air Flow Capacity | 8610 Cubic Feet Per Minute (CFM) |
| Wind Speeds | 3 Levels |
| Light Color Temperature | 4000K Nature White |
| Light Brightness | 4648 Lumens (3-level adjustment) |
| Special Feature | Adjustable Thermostat (ECO Mode) |
| Control Method | Touch (on power bank) / Remote Control |
| Indoor/Outdoor Usage | Outdoor (Gazebo, Patio, Porch, Barn, Shed) |
| Item Weight | 22 Pounds |

WARRANTY AND SUPPORT

Your ecoCalm 52" Solar Ceiling Fan is backed by a manufacturer's warranty. For specific warranty details, please

refer to the documentation included with your purchase or contact ecoCalm customer support.

For technical assistance, troubleshooting, or replacement parts, please visit the ecoCalm store on Amazon or contact their customer service directly. Keep your purchase receipt and model number (KP-SCFL52) handy when contacting support.

USAGE SCENARIOS

The ecoCalm 52" Solar Ceiling Fan is versatile and suitable for various outdoor and semi-outdoor environments, providing comfort and illumination.

Ventilate and Cool Any Space

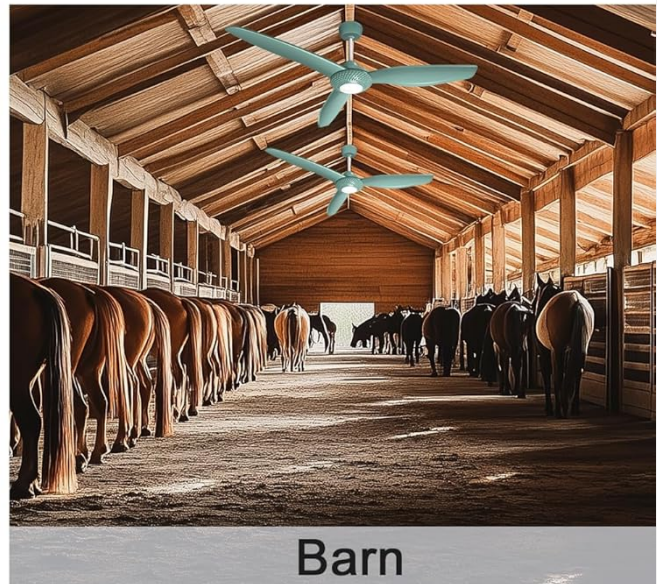


Image: Examples of the ecoCalm 52" Solar Ceiling Fan installed in different outdoor settings such as a gazebo, balcony, porch, and barn, demonstrating its adaptability.

Its quiet motor ensures a peaceful environment, while the adjustable light provides ample illumination for nighttime activities.



Image: Highlights the quiet operation of the fan's motor, rated at 25dB, ensuring a peaceful environment.