



# Solar street lights are bright during the day but not when charging

Why is my solar LED street light not working?

Solar led street light is not working at all. The lighting time is too short. The above faults and problems are often inseparable from the components of the entire solar street light system. To clearly know the cause of the failure and the solution, we must first understand the structure and working principle of the solar street light system.

How do solar street lights work?

Solar street lights use solar panels to receive solar energy during the day and convert them into electrical energy, which is stored in the battery through the discharge controller. The illumination gradually decreases at night. The charge and discharge controller detects this value and works, and the battery discharges to the lamp holder.

Do solar street lights fail?

Like other outdoor LED street lights and floodlights, solar street lights will inevitably have some failures due to long-term exposure to wind and sun during use. By this article, we will introduce the common failures of solar street lights and the troubleshooting methods. Solar led street light is not working at all.

Why are my solar lights not working at night?

During the day, the sensor keeps the solar lights off while the solar panel charges the battery. When night falls, the sensor detects the decrease in light and activates the solar lights. If this sensor is not working correctly, it might not be able to tell when it's dark, and as a result, your solar lights won't turn on at night.

Why does my solar light turn on at night?

A sensor reacts to darkness allowing the solar light to go off during the day and turn on at night. But none of this will happen with an ineffective sensor unless you do it manually by bypassing the sensors, and you probably don't have all the time for that. If the solar light has a faulty sensor, it won't differentiate between day and night.

Why are my solar lights not charging?

A frequent issue is inadequate sunlight exposure, which hinders the charging process. Ensuring that solar lights receive enough direct sunlight is vital for their optimal operation. Another potential problem is the presence of a pull tab on the battery, which needs to be removed for the lights to work.

That's when I discovered the importance of a 60W solar LED street light--not just for illuminating my path but also for enhancing community safety and sustainability. After extensive testing, I'm excited to share the best options available that can transform your outdoor spaces while being eco-friendly! We've tested more than 20 60w solar led street light to ...



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You already know that solar lights are equipped with sensors that feature photovoltaic cells to detect light sources, including artificial ones. So, if lights from other houses, garage lights, and street lights are working near your solar lights, it could be why they are not functioning correctly.

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1) Observe whether there is no sun for several days in a row, wait for the next day to charge the battery, and observe the charging status of the lamp during the day. If the green light flashes during the day, it indicates that ...

These devices work by capturing sunlight through a solar panel. This light energy converts into electrical energy, charging the batteries during the day. Solar lights at night use the stored energy to shine. Sunlight is key. If your solar lights don't get enough direct sunlight during the day, their batteries won't charge well. This can ...

Functional charging is evident when the green light flashes during the day. In this case, the light will automatically turn on at night. You may have issues with the solar panel's charging capability if multiple days of ...

Here's why your solar lights won't turn off during the day: 1. They are not exposed to enough daylight. If you use indoor solar lights, they are probably not receiving sufficient sunlight from the window panels where you place them to charge. On the other hand, if you experience the same problem with outdoor solar lights, they are not in an ...

Auto-charging during the day. First, the solar charge controller will turn off LED lights towards dawn once solar panel voltage rise to 5v, which is accounted for a little sunlight in the morning. When there is enough sunshine during the day, the solar panel will work together with the solar charge controller to collect the solar energy. Commonly, in a 12v solar system, ...

Common problems with the solar street lights include: solar street light not working at all, flickering, turning on during the day, sensors not functioning, etc. Read this passage and learn easy ways to find the problems ...

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and fix them effortlessly!

Lights stay on during the day: This means the sensor isn't detecting daylight, so it can't turn the lights off when it's bright. Lights ignore day/night cycles: They either stay on or off all the time, no matter the light level. To fix this, try cleaning the sensor to clear any dust or dirt that might be blocking it.

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To fix solar lights not working, check and remove the battery pull tab, replace or deep charge the batteries, repair any damaged wiring, clean the solar panels, and ensure they're positioned in direct sunlight.

Brand new solar lights not working can often be attributed to battery issues. They might not be charging or holding a charge. Testing with standard batteries can help determine if the problem lies with the rechargeable batteries or the solar panel.

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