

# How to repair a solar inverter after a lightning strike



## Overview

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In a previous video I showed how a lightning strike destroyed my SUNGOLDPOWER 24v Inverter with Charger In this video I will try to fix it again. more Audio tracks for some languages were automatically generated. Our goal is to help anyone searching with keywords such as “ IGBT Board fault,” “ inverter display board repair,” “ DC SPD. One way lightning can damage a solar inverter is through direct strikes. If a lightning bolt hits the solar panels or the inverter itself, the sheer force of the electrical energy can fry the delicate electronic components inside the inverter. They are, however, designed to withstand the high winds and heavy rain that accompanies a thunderstorm. If. Determining whether your solar inverter requires repair involves a combination of observation, testing, and troubleshooting. This article will discuss the measures you can take to safeguard your system and ensure reliable power generation.

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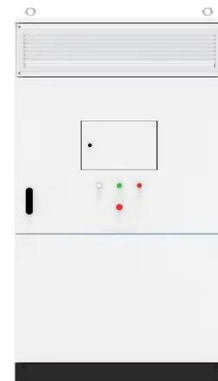
### Solar Inverter Faults and Repair , Causes, Signs & Solutions

Discover the causes, symptoms, and expert repair methods for solar inverter faults. Step-by-step solutions for IGBT, capacitor, SPD, driver, and power supply failures.

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### Troubleshooting Solar Inverters: A Must-Read Guide to Repair

In this guide, we will delve into the intricacies of solar inverter repair, addressing common questions and concerns that both homeowners and professionals may encounter.



### Does Lightning Damage Solar Inverters? How?

If you do suffer Lightning damage to your solar Inverter, it's important to get it checked out by a qualified technician as soon as possible. They will be able to assess the extent of the damage and advise ...

## How to Prevent Your Inverter from Thunderstrikes from PV Panels

Learn how to Prevent Your Inverter from Thunderstrikes from PV Panels with essential strategies like surge protection devices, proper grounding, and regular maintenance. Safeguard your investment and ...



## Repairing inverters , DIY Solar Power Forum

An apparent nearby lightning strike took out our 15 year old Outback 24V 3500W inverter. The fellow who put it in has been retired but was in our neck of the woods so came by and called Outback tech ...

## Can a solar inverter be damaged by lightning?

One option is to install a whole - house surge protector. This device can help protect all the electrical equipment in your home, including the solar inverter, from voltage surges caused by lightning. Another thing you can do ...



## Can I FIX my Inverter?



## Lightning Strike Follow-up

In a previous video I showed how a lightning strike destroyed my SUNGOLDPOWER 24v Inverter with Charger In this video I will try to fix it again .more

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## Is It Safe to Use Solar Inverters During Lightning?

Employing a combination of surge protection, proper installation, and preventative maintenance can effectively safeguard solar inverters from the devastating effects of lightning.



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## Can Lightning Destroy a Solar Powered Inverter?

It is important to be aware of the potential risks and take necessary precautions to protect your solar powered inverter from lightning damage. This article will discuss the measures you can take to ...



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## Solar Inverter Repairs: DIY vs Professional Guide 2026

Learn when to DIY solar inverter repairs vs calling pros. Get troubleshooting

steps, cost guides (\$250-\$1,500), and maintenance tips to extend your system's life.



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