

Inverter problems

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Contact us to get FREE no obligation support, advice or to arrange for one of our engineers to visit. Commercial solar Rayotec Ltd offer bespoke service packages which are tailored according to the scale and requirements of your system.

Rayotec can help you if you have solar panel system installed over a roof which needs to be replaced or repaired. We can decommission your solar system, remove it, store it safely onsite and come back to reinstall the solar panels once the roofing work is complete.

With a network of qualified solar PV engineers in the South East, Rayotec is your go-to for solar panel repair in London and the surrounding areas. Contact us for faults, damage, servicing, or regular maintenance.

Even though solar PV systems are generally very reliable, sometimes things do go wrong. If your system stops generating energy or doesn't seem to be generating as much as it used to, one of our expert engineers can come and assess system, identify the problem and resolve any issue quickly and efficiently to ensure that your Solar PV System is back to full working order as quickly as possible. All of our call outs include up to 1 hour of labour and luckily we can resolve quite a large range problems within this period.

The Inverter is most likely thing to develop a fault in a solar system. There are a number things that can go wrong but always check your fuse box to see if the solar switch has tripped. Otherwise call us for more assistance.

Very few components of a solar PV system have moving parts so therefore they are incredibly reliable. The most common component to fail within a solar system is the solar inverter. Sometimes it is obvious that the inverter has failed by the error code but often it requires a solar engineer to check the system to see where the fault lies. If your system is not working our engineer will check that there is power going to the inverter and the DC voltage across the panels is within the correct range. If the power and DC voltage are all fine then the fault lies with the inverter.

Hopefully, the inverter is under warranty and the manufacturer will send a replacement model otherwise it will need to be replaced. Some inverters can also be repaired but it is based on the availability of spare parts. Luckily replacing inverters is often a simple process and newer inverters have an estimated working life of about 15 years. Unfortunately, Rayotec are not able to work with systems with micro-inverters.

The most common cause of a blank generation meter is that a fuse/breaker has tripped in your fuse box. It is simple for you to check but also be aware that sometimes the solar has its own mini fuse box.

Although solar panels are pretty tough they are known to get damaged in high winds. It is generally a



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projectile which smashes a panel. If you are unlucky and this happens to you the first thing that you should do is contact your insurance company.

If the model of solar panels is still available then it is a simple swap. However, if it is not then the whole string of panels may need to be changed as you can't mix panel types on a single string. We have the design capability to come up with a solution that works and is acceptable to the insurance company.

If there are pigeons nesting under your panels then you should get it dealt with as soon as possible before the damage to the array. We have found that adding a mesh border around the panels is the most effective deterrent.

If your solar system seems to be working well then it is best to call a pest control company who also specialise in solar as they will be the most cost-effective option. Many can be found on Google. If the solar system is not working then call us as we may have to lift the panels to undertake repairs before the pigeon mesh is fitted.

Contact us for free full report

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