



SOLAR PV MAINTENANCE

Solar PV refers to the technology used to convert sunlight directly into electricity. Solar PV systems consist of solar panels which are made up of multiple solar cells.

Solar systems offer numerous benefits including renewable energy sources, reduced electricity bills and require very minimal maintenance.

What is included in our Solar PV Maintenance?

During Solar PV Maintenance, the following checks will be completed:

- Regular cleaning of dust, dirt, pollen, bird droppings and any other debris. This helps maximise energy production by ensuring unobstructed sunlight absorption.
- Regular visual inspections of the panels to identify any signs of damage or wear. This includes inspection of the surface of the panels checking for cracks, chips or discolouration.
- Electrical checks and measurements may be performed to assess the performance and functionality of the system, this will include measuring output voltage and current of the solar panels.
- Inverter maintenance - inspecting for fault or error codes, cleaning air vents and cooling fans, updating firmware/software and ensuring proper ventilation conditions.
- Safety checks will include checking for proper grounding, inspecting electrical enclosures and labels and ensuring the safety disconnects and the shutdown procedures are functioning correctly.

How often should you carry out Solar PV Maintenance?

The frequency of lightning protection maintenance depends on various factors, including the type of system, environmental conditions, and manufacturer recommendations.

As a general guide, there should be periodic cleaning and visual inspections alongside a annual/bi-annual electrical check and inverter maintenance.

In addition to routine maintenance tasks, it is recommended to get a professional inspection carried out every 2-5 years to ensure the integrity and reliability of your solar PV systems.



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