



MAINTENANCE RECOMMENDATIONS

MAINTENANCE CHECKLIST

Component	Inspection	Action
PV Modules	Inspect for dust/residue on The external surface of modules	Wipe clean using only water (required every 2-3 years)
	Inspect for any physical damage and indentations on modules	Replace modules if damaged
Cabling	Inspect the condition of cable for damage, for example wear and tear	Replace cable if damaged Inspect all cable
	Inspect all cable terminations for damage, burn marks, hot spots and loose connections	Replace cable if damaged or tighten loose connections
Inverter	Inspect for loose cable connections	Tighten loose connections
	Inspect ventilation system condition	Clear all dust and dirt in ventilation system
	Inspect inverter functionality	Replace inverter if functionality fails
	Inspect for abnormal operating temperature, for example overheating	Recommend replacement if required
Junction Boxes	Check cable terminals for loose connections and for wear and tear	Replace if required or tighten all loose connections
	Check for warning notices	Replace warning notice if required
	Inspect for physical damage	Replace if required
Earthing of solar PV System	Inspect earthing cable conditions	Replace if required
	Inspect the physical earthing connection	Tighten if required
Means of isolation	Inspect functionality	Recommend replacement
Bonding of the exposed metallic structure to lightning earth	Check bonding cable connections	Replace if required
	Check physical bonding connection	Tighten loose connections
	Check the continuity of the bonding to lightning earth	Troubleshoot and replace if required



ENERGIE X PRO[®] MAINTENANCE

It is important that regular maintenance is carried out on your solar panel system. Undertaking regular maintenance will ensure your solar panel system is operating safely, correctly and efficiently.

Over time dust and debris will build up on your solar panels, which may compromise the performance of your solar panel system. In addition, water and moisture seepage, vermin, hail, wind and sunlight can all cause damage or deterioration to your system.

By ensuring regular routine maintenance is undertaken, you can ensure your solar panel system is safe for everyone living in the premises, along with electrical workers working on the distribution network. Routine maintenance will also ensure system performance is maintained, allowing you to maximise savings on your power bills for many years.

Just like running a car, regular servicing is the best way to ensure your solar panel system keeps operating safely, correctly and efficiently. Unlike typical electrical products, turning a solar panel system 'off' at the switch does not mean that the components no longer pose an electrical hazard. In addition, for roof mounted systems, some maintenance tasks may need to be conducted on the roof which poses additional hazards.

ENERGIE X PRO guarantees the supply against defects directly and solely attributable to defective workmanship or materials for one year. Major components carry the product specific manufacturer warranties (Please refer to specific product warranty cards).

ENERGIE X PRO commits to maintaining your system for one year after installation free of charge and from then on to perform once a year regular check-up and cleaning as well as on demand repair or cleaning for a standard **chargeable** rate as indicated in the Maintenance Agreement. Our standard regular maintenance of your solar panel system will ensure:

- solar panels are clean, secure and free of defects
- no parts have deteriorated/corroded
- vents are free of debris
- switches do not have any defects
- wiring has not been damaged/has not deteriorated
- electrical checks to ensure all components are operating as intended
- confirming fittings and cables are securely attached
- reviewing the inverter display panel for recorded faults
- checking that access to the isolator switches has not been impeded, and/or
- making sure the emergency procedures for shutdown and isolation are clearly displayed
- ensuring that all Apps and software are up-to-date and reporting properly