



## TFA Solar Pty Ltd

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### MAINTENANCE SCHEDULE FOR SOLAR PANELS

SUB-SYSTEM OR COMPONENT	MAINTENANCE ACTION	FREQUENCY	REMARKS
SITE	Verify: 1. Cleanliness (accumulation of debris around and/or under array. 2. No Shading of Array	¼ Yearly	Clean site as required.
			Trim trees if required.
PV MODULES	Verify Cleanliness (accumulation of dust or fungus on array)	¼ Yearly	Clean if necessary
	Check for visual defects including: 1. Fractures 2. Browning 3. Moisture Penetration 4. Frame Corrosion	1 year	Modules with visual defects should be further inspected for performance and safety to determine the need for replacement.
	Verify Bypass Diodes	1 Year	Any defective seals, clamps and bypass diodes are to be replaced
WIRING INSTALLATION	Verify Mechanical Integrity of Conduits	5 years	Any damaged conduit is to be replaced
	Verify Insulation Integrity of Cables installed without conduit	5 years	Any damaged cable is to be replaced
	Check Junction Boxes for: 1. Tightness of Connections 2. Water accumulation/build up 3. Integrity of Lid Seals 4. Integrity of Cable Entrance and/or Conduit sealing 5. Integrity of Clamping devices	1 Year	Any defective seals, clamps, blocking diodes and surge arresters are to be replaced.
	Verify: 1. Blocking Diodes 2. Surge Arresters for Degradation		
ELECTRICAL CHARACTERISTICS	Check Earthing Connections for: 1. Tightness of Connections 2. Corrosion	1 Year	
	Measure Open Circuit Voltages	1 Year	According to Section 6.2.1
Measure Short Circuit Currents	1 Year		
PROTECTIVE DEVICES	Verify: 1. Integrity of Fuses 2. Operation of CB's and RCD's 3. Operation of Solar Array Isolation Device 4. Operation of Earth Fault Protection System	1 year	
MOUNTING STRUCTURES	Verify tightness and integrity of bolts and other fastening devices	1 Year	
	Inspection for Corrosion	5 years	