



LCon Advance services



Solar PV tester



multifunction solar pv tester

- ☐ Ground (earth) continuity measurement with test lead null for long test-leads.
- ☐ PV string open circuit voltage measurement up to 1000V DC with polarity indication.
- ☐ PV string short circuit current measurement up to 15A DC.
- ☐ Tests individual PV modules or strings.

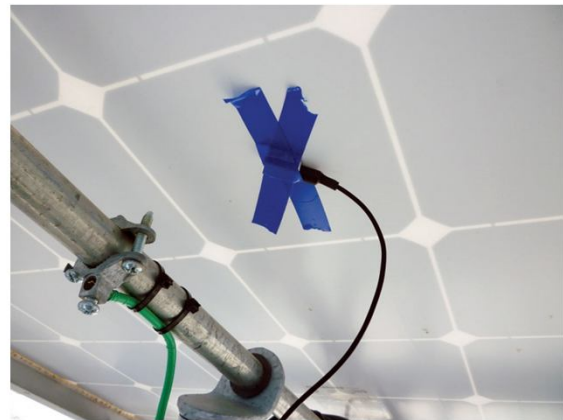


Solar PV tester



Solar Irradiance Meters

- ☐ Irradiance measurement (using solar reference cell)
- ☐ Ambient temperature
- ☐ PV module temperature
- ☐ IEC 62446 compliant



Solar PV tester



AC/DC Current Clamp

- ☐ DC power measurement
- ☐ AC and AC+DC true continuous power (RMS) reading
- ☐ Power Factor
- ☐ Total harmonic distortion and harmonics 1 - 25
- ☐ Phase rotation indication
- ☐ Measure current and voltage

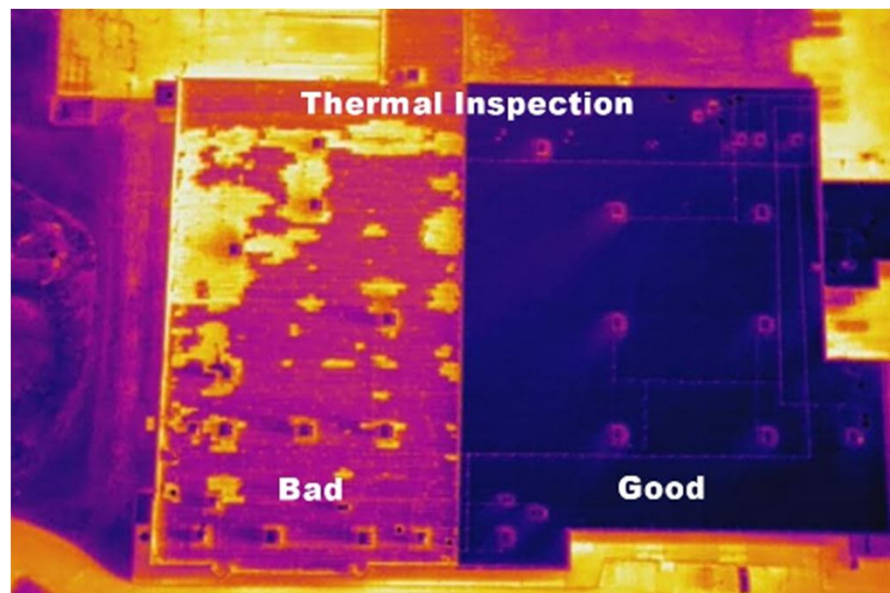


Solar PV tester



INFRARED CAMERA

- ☐ Thermoscan infrared camera
- ☐ True Thermal Detection



PV Cleaning & PM Guidelines



PREVENTIVE MAINTENANCE (PM)

PREVENTIVE MAINTENANCE (PM) – CHECK LIST FORM

Project Name :

Customer Representative :

Address :

QA Inspection date : QA Technician

PV Module and Module Wiring		Pass	Fail	Fixed
	MC Connections Inspected for workmanship.			
	Module cables a properly secured to module frame; no dangling wires.			
	Bend radius no greater than four times diameter of wire.			
	No debris on module surface, such as foam pads, sealant residue, etc.			
	No physical damage to module frames or laminates.			
	Module wiring enters a strain relief prior to landing on any terminal block.			
	Ground wire and lug are securely attached to rails and to module frames.			
	Array GEC for 2008 code.			
	Array GEC wire size, wire support, wire type.			
	String layout marked up on array layout and recorded.			
	Confirm that serial no. have been recorded.			
Mounting Hardware		Pass	Fail	Fixed
	All hardware is installed as designed and torque as needed.			
	Confirm correct hardware stack up, exp. : Lock washer where needed.			
	Roof penetrations secured and flashed.			
	Racking properly secured to rafters / standing seam.			
	Confirm balasting plan conforms to mfg complinace latter.			



CLEANING PROCEDURE

Clothing:

- Anti-slip rubber shoes and gloves.

Tools:

- Soft brush, dry cotton mop or clean broom.
- Low pressure water or portable pressurized water tank.
- Biodegradable, non-abrasive mild detergent.
- Clean water source.
- ✓ Check earth connection of PV modules and inverter.
- ✓ Examine the roof for damaged modules or persistent staining.
- ✓ Remove all waste matter lying on the modules.
- ✓ Wet the area avoiding the electrical cables.
- ✓ Using a soft brush remove excess dirt.
- ✓ Pressurized power washers should NOT be used directly on the laminates. If these devices are being used to clean the roof around a solar array, ensure that the nozzle of the power washer remains at least two feet away from the surface of the laminates at all times while cleaning.
- ✓ When spraying a module, do NOT spray water directly on the electrical connections or at the leading edge of the PV laminate.
- ✓ Use caution when cleaning PV modules, as the combination of water and electricity may present a shock hazard.
- ✓ Use a soft brush to scrub stubborn stains, be careful not to scratch the surface.
- ✓ Rinse with water to remove all traces of detergent.
- ✓ Dry any puddles left on the roof post cleaning.



Our Experience



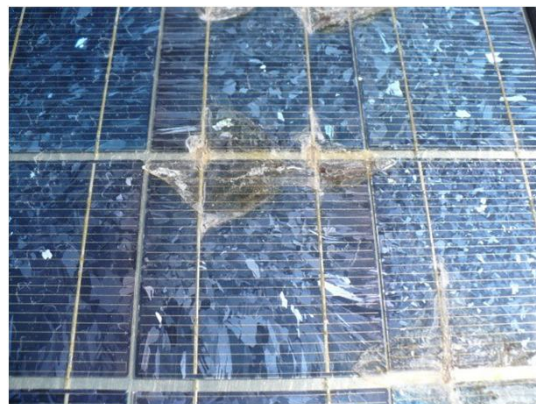
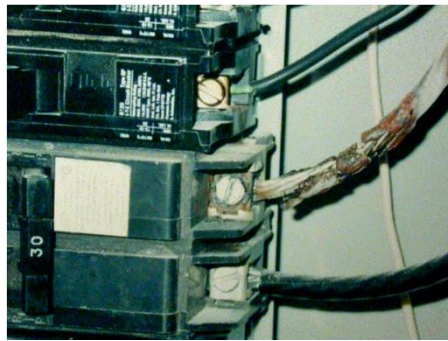
Cleaning and Inspection



Our Experience



Cleaning and Inspection



Company Overview



ข้อมูลทั่วไปของบริษัท

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