

WHY CLEVER SOLAR DEVICES?



100% issue detection of the modules without need of manual manipulation. You can see **WHAT** is happening and **WHERE** is the defective module **from your mobile device in real-time**.



Business **production recover up to 12%** and up to 70% cost reduction. In addition, we reduce labor risks and help to **lower CO2 emissions**.



We diagnose thru IV Curves at PV module level: the most accurate data for **PREDICTIVE** and **PREVENTIVE** maintenance.



We provide a **VALID, POSITIVE** and **SIGNIFICANT IMPACT** validated by the **Impact Forecast Organization**.

Alternatively, you can always keep using conventional procedures...

RISKS OF MANUAL MANIPULATION



WARRANTIES: If DOAs or issues arise are not detected within the warranty years, the warranty is forfeited. Undetected broken modules lead to a loss of production by reducing the yield of the modules that are in good condition.



UNDETECTED DAMAGES: During servicing, there may be a risk of damaging the solar panels if they are not handled properly or due to external happenstances (eg. hail). This could reduce the efficiency of the system and incur in hidden costs.



THERMIC HAZARD: Solar panels can reach more than 60 °C. This is a danger for technicians as they can suffer thermal shocks just by checking if the module is ok.



ELECTRIC SHOCK: PV modules usually have 600 volts per string. It can be dangerous for technicians as they can be electrocuted checking module status.



FALL HAZARD: Operators face danger of fall if the installation is placed in an elevated structure, as roofs or covers.



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