

PHOTOVOLTAICS 4.0

WHAT IS CLEVER DX



IT'S A DIAGNOSTIC DEVICE to characterize the performance of the photovoltaic module..

It's an IV curve plotter and also extracts production information (I, V of Production). It allows remote diagnostics, in real time and without interruptions, and to understand production deviations, even at PV module level.

It does NOT transform DC to DC like MPPTs, it does NOT transform DC to AC like micro-inverters.

We also measure production which is only current and voltage, but our magic comes from the DIAGNOSTICS thanks to the automatic and continuous measurement of the IV curves at module level.

The data is sent to our platform allowing an easy and remote diagnosis of all installations in just 3 clicks.



3 clicks

WHAT IS NOT CLEVER DX

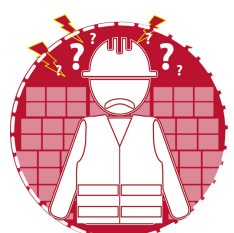


IT'S NOT AN MPPT (power maximizer)

At module level (Optimizer): These adapt the PV module to a maximum operating point (I,V of production) and the measurement corresponds to this single operating point. It transforms DC to DC.

At inverter level: It adapts the photovoltaic string to the working conditions of a single maximum point (I,V of production). But, the maximum of the string IS NOT the maximum of each PV module separately. That point may not be real.

They all require manual intervention



IT'S NOT A Micro-Inverter

Micro-inverters transform DC current into AC and provide single point measurements (I, V of production).