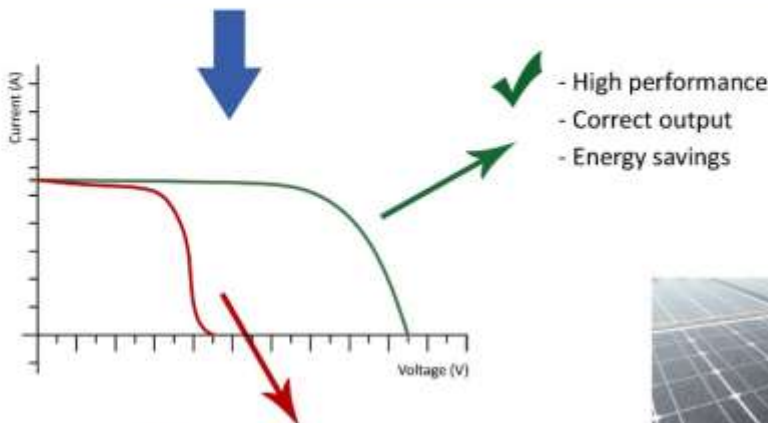
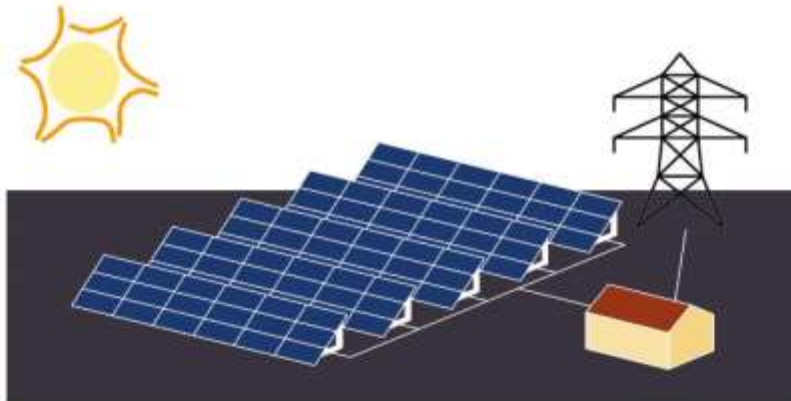


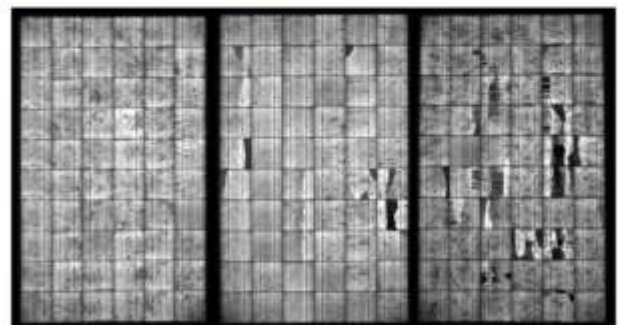
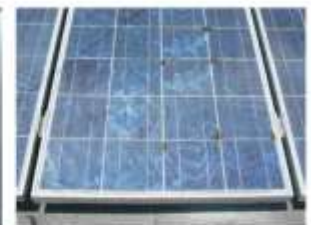
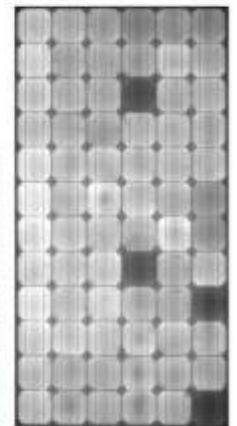
PV MODULE PERFORMANCE TESTING

PV MODULE PERFORMANCE TESTING

Euroelec-Smart Energy is an innovative environmentally friendly company expert in consulting and engineering which develops the best sustainable solutions for the customers.



- ! PV MODULE PROBLEMS**
- Low performance
 - Production losses of the entire facility
 - Falling profits



PV SYSTEM PROBLEMS

- Broken interconnects
- Broken cells
- Corrosion
- Encapsulant discoloration
- Solder bond failures
- Broken glass
- Hot Spots
- Ground faults
- Junction box and module connection failures
- Structural failures
- Bypass Diode failures
- Open circuiting leading to arcing
- Delamination and/or loss of elastomeric properties of encapsulant

PV MODULE PERFORMANCE TESTING

PV MODULE PERFORMANCE TESTING

ESen SOLUTIONS

Our performance testing service for solar panels products guarantee that defects and non-compliance with the quality standards agreed can be detected in time to react.

New solar panels or installed panels, our solution provides products verification and official certification when warranty claims against suppliers can be taken for new elements.

A detailed diagnosis will be done by our experts through our mobile unit technical analysis

A good early diagnosis will save us money and time.

1- Euroelec Smart Energy Solar Test

- MOBILE TEST LABORATORY ON SITE

- Hot spots test Hot spots
- Shunts in cells or at scribe lines
- Inadequate by-pass diode protection
- UV test Delamination
- Encapsulant loss of adhesion & elasticity
- Encapsulant & backsheet discoloration
- Ground fault due to backsheet degradation
- Degradation of Optics
- PID
- Flash test
- Electroluminescence



- Test report



2- Panels Certification

Accredited Laboratory to certify PV modules Worldwide

IEC 61215 for Crystalline Silicon Modules
IEC 61730



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