



Certified Quality

Guarantee of success

Committed to excellence

30 years of linear warranty endorse the excellent performance of our TM-Series® modules.



International Certifications

IEC 61215, IEC 61730, MCS (BS EN 61215), PID, WEEE, PV Cycle, CE, ISO 9001, ISO 14001, OHSAS 18001, are some of the certifications that accredit us as product and company.



Quality controls

We submit the entire production chain to the strictest quality controls, guaranteeing the maximum performance of TM-Series®.



Automated Manufacturing

Our automated manufacturing process helps us to obtain the best finishes of our modules.



R&D

We continually implement improvement processes that ensure the best value for money in the market.





IEC 61215



IEC 61215 examines all the parameters that are responsible for the aging of the photovoltaic modules and describes the various qualification tests depending on the artificial loading of the materials.

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IEC 61730



IEC 61730 specifies and describes the fundamental construction requirements for photovoltaic (PV) modules in order to provide safe electrical and mechanical operation. Specific topics are provided to assess the prevention of electric shock, fire hazards and personal injury due to mechanical and environmental stresses.

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MCS



BS EN 61215 certified for industries based on microgeneration production and installation services of these products. It also allows for the right to establish market in England and Scotland.

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PID Resistant 

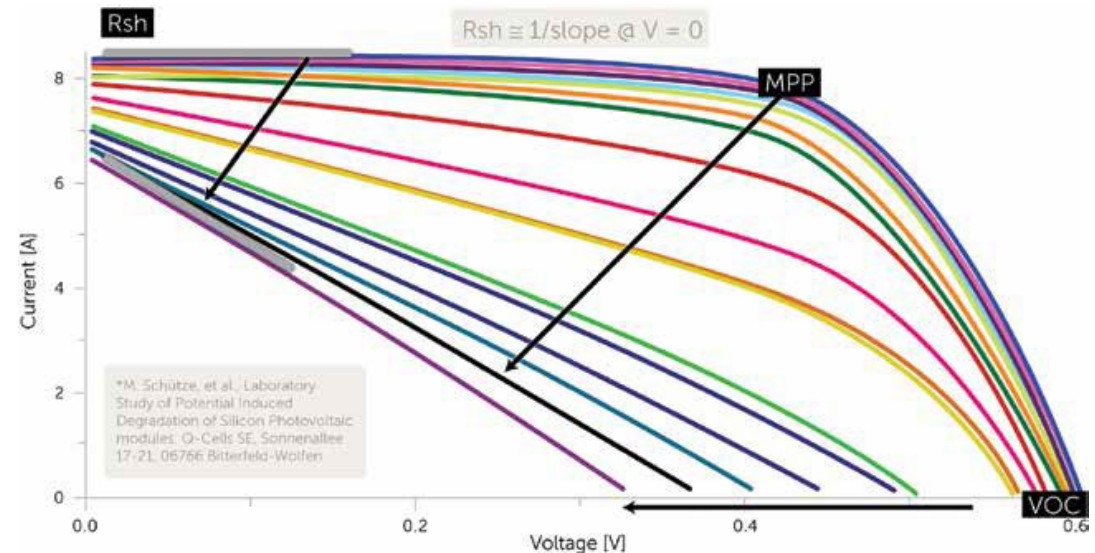
PID RESISTANT

Our TM-Series modules have passed the tough PID test of degradation by induced potential, certainly a guarantee of quality.

PID (Potential Induced Degradation) indicates a phenomenon of degradation and power loss.

It occurs when the module voltage potential and leakage current drives the ionic mobility within the module between the semiconductor material and other elements of the module (eg, glass, bracket and frame). The output capacity of the module can be degraded.

Our TM-Series modules have successfully passed these strict tests, guaranteeing our customers the quality of their modules and a minimum degradation of these during the 30-year warranty.



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As shown here by reductions in shunt resistance (Rsh), the maximum power point (MPP) and open circuit voltage, PID can significantly reduce the performance in photovoltaic plants.

[Source: Schuetze, et al, Laboratory Study of Potential Induced Degradation of Silicon Photovoltaic Modules]

PV Cycle



Certificate of operating system management of collection and recycling of end-of-life photovoltaic panels throughout Europe. Being registered implies that the service is free for the owner of the panels.

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CE



It is the testimony on the part of the manufacturer that its product meets the minimum legal and technical requirements in the security field of the Member States of the European Union, allowing the free circulation of the product within its market.

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ISO 14001/9001



ISO 14001 is an international environmental management standard. The standard is designed to achieve a balance between maintaining profitability and reducing the impact on the environment. **ISO 9001** Determines the requirements for a quality management system, which can be used for its internal application, for organizations.

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OHSAS 18001



Occupational safety and health standards. The requirements for establishing, implementing and operating an effective occupational health and safety management system are defined.

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Quality Control

Once the last manufacturing phase is finished and before the modules are packaged, a final inspection is carried out.

This inspection controls some of the following points:

- Production reports (flash report).
- Electroluminescence test.
- Visual inspection of the modules.
- Photographic report of the modules, the packaging and the shipment in the container.

This report will be provided to the client so that he can know the state in which his order will arrive.

Your eyes on the factory

We will send you the result of the inspection, photos, report, via email.





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