PI Berlin has an independent accredited laboratory in Berlin, Germany for the testing of solar PV modules. The laboratory is equipped and accredited to conduct all design and safety related tests within the IEC 61215 and IEC 61730 standards.

Our laboratory assists our customers to assess module quality as part of the procurement process as well as to conduct investigations into failures and long term durability of the products.

Key Features

- Independent ISO 17025 accredited laboratory
- Equipped for all IEC relevant standard tests
- Quick quality assurance test packages
- Ability to test new technologies including bifacial
- Accepted by investors, lenders and module suppliers
- Partner laboratories in China and India

Testing Matters

- Our experts use our laboratory to advise our customers at various phases of a project.
- Evaluate module types and suppliers
- Pre- and post-shipment testing
- End of EPC warranty testing
- Support warranty claims
- Assess future safety and performance risks
- Determine impacts of harsh environments

Experience Matters

- PI Berlin’s module testing laboratory is renowned for reliable results.
- Accredited laboratory since 2007
- Strict culture of independence
- Involvement in international R&D projects
- Testing of leading edge technologies
- Team of expert solar advisors to interpret test results

The accreditation is valid for the test laboratory, within the specified scope in the annex of the accreditation certificate D-PL-18919-01-00. This includes all relevant IEC PV standards and self developed test methods.

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Quality Packages for PV Modules

PI Berlin has developed special test quality packages (QP) that assess the module quality of both new and operational modules in a short period of time. They have been designed to accommodate the main technologies available in the current market.

- QP PERC monofacial
- QP Bifacial glass/glass
- QP Bifacial glass/backsheet
- QP Thin Film

Sample QP for Bifacial PV Modules

10 Modules

Initial Characterization (Visual, EL, Stabilization, Power)

2 Modules

Bifaciality Coefficient

2 Modules

Wet Leakage

2 Modules

Wet Leakage

2 Modules

Low Irradiance

2 Modules

LeTID

PID-

PID+

Final Report

Why PI Berlin

Market References

All major suppliers and module types including PERC, bifacial and thin film

Quality Around the World

Partner accredited labs in Ahmedabad, India and Suzhou, China

Experience

Accredited and operational since 2007

Reliable Results

Trusted worldwide by lenders, investors and EPCs