



UNSW
SYDNEY

Stability Testing for Silicon Solar Cells

Testing the stability of silicon solar cells, including accelerated degradation testing of susceptibility to light-induced degradation and the recently identified light- and elevated temperature-induced degradation mechanisms.

Competitive advantage

- Accelerated degradation capabilities to obtain susceptibility to light-induced degradation
- Expertise in the development of R&D tools for accelerated stability testing of silicon solar cells
- Experience in developing processes to mitigate light-induced degradation in silicon solar cells

Successful applications

- Rapid testing of light-induced degradation susceptibility in silicon solar cells
- Commercialisation of advanced hydrogenation processes for eliminating light-induced degradation and light- and elevated temperature-induced degradation in silicon solar cells

Capabilities and facilities

- Tools for accelerated stability testing of laboratory size and industrial silicon solar cells with high-intensity illumination
- Tools for conventional stability testing of silicon solar cells
- Suitable for cell sizes up to industrial silicon solar cell dimensions

Our partners

- LONGi
- Suntech
- Canadian Solar
- SAS Sunrise
- LG Electronics
- China Sunergy
- CEC Energy
- Phono Solar
- Tongwei
- Nanjing Sunport
- Tianwei
- Jinko
- Meyer Burger
- Schmid
- DR Laser

More Information

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