

SOLARWATT Glass-Glass Modules - Durability Testing



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 Certified acc. to DIN EN ISO 9001 und 14001 | BS OHSAS 18001:2007

SOLARWATT glass-glass modules - damp heat test

Module performance development under the influence of moist heat (85% humidity, temperature 85°C)

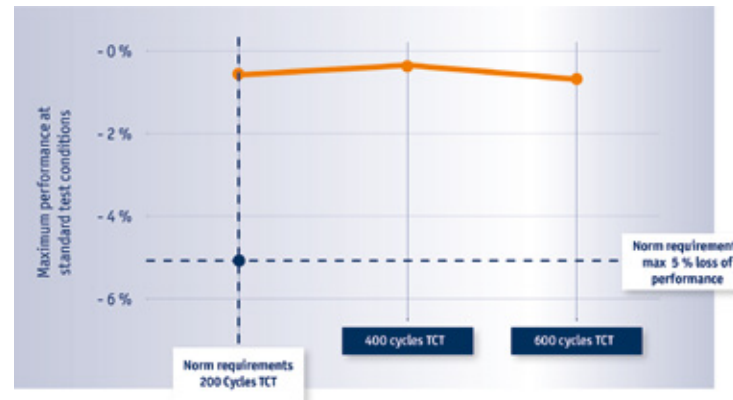
The damp heat test (DHT) is a rapidly accelerated weathering test. The DHT shows that, even under extreme testing conditions that would very rarely develop in the real world, SOLARWATT glass-glass modules hardly display any weathering effects when exposed to steam heat.



SOLARWATT glass-glass modules - temperature-cycle test

Module performance development under the influence of significant temperature changes (temperatures of -40°C to +85°C; cycle length: five hours)

The temperature cycle test (TCT) simulates module aging as well. It recreates, in time-lapse form, the mechanical strain brought on by extreme temperature changes. Module performance is stable following the TCT as well, as the modules' symmetrical design means that thermal expansion puts less strain on the cells.



- The DHT and the TCT create extreme environments (temperature/humidity/constant and alternating cycles) to simulate the conditions that modules need to be able to withstand over the years.
- The modules are subjected to the testing conditions for a much longer period of time than required in standard specifications (IEC 61215; 10.11 and 10.13).
- The test results show that SOLARWATT glass-glass modules' innovative structure guarantees reliable module performance, even under these extreme conditions.



Product warranty

as per "Special warranty conditions of SOLARWATT solar modules"



Performance guarantee

as per "Special warranty conditions of SOLARWATT solar modules"



Guaranteed origins

Quality made in Germany



SOLARWATT full coverage

Includes insurance protection (up to 1,000 kWp)



SOLARWATT conducts regular module tests in its own VDE-accredited testing lab, in order to promote product innovation and ensure that its own self-imposed quality standards are upheld.