



LONG-TERM RELIABILITY TESTING

At Mission Solar Energy, all products are tested to the highest standards, outperforming our competitors and far exceeding the industry norm.



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3X IEC



THIRD-PARTY TESTING RESULTS

THERMAL CYCLING (TC):

Simulates the thermal stresses as a result of changes of extreme temperatures (-40°C to 85°C, -40°F to 185°F).

HUMIDITY FREEZE (HF):

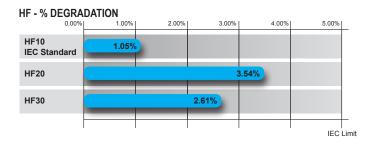
Determines the module's ability to withstand the effects of high temperatures combined with humidity, followed by extremely low temperatures.

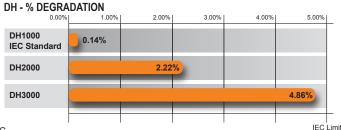
DAMP HEAT (DH):

Determines the ability of the module to withstand long-term exposure to penetration of humidity up to 3000 hours.

*Third-party testing conducted by the Renewable Energy Test Center, RETC LLC







INTERNAL TESTING

We vigorously test our modules to the same IEC standards at our in-house laboratory. Additionally, Mission Solar modules are tested for: Hail, Wet Current Leakage, Dynamic Mechanical Load, and PID.



OTHER THIRD-PARTY TESTING INCLUDES:

- Potential Induced Degradation (PID)
- UV Exposure
- Ammonia
- Salt Mist
- Reflectivity

FIELD DATA

We collect field data from our multi-technology test bed at our San Antonio, TX facility. The data obtained allows us to analyze and compare production across different panel, inverter, and tracker technologies.





Mission Solar Energy Facility San Antonio, Texas



CERTIFICATIONS

IEC 61215/ IEC 61730/ IEC 61701 UL 1703



*As there are different certification requirements in different markets, please contact your local Mission Solar Energy sales representative for the specific certificates applicable to the products in the region in which the products are to be used.