Moon Homes
Request for Technical Assistance

Moon Homes has explored multiple polymer and glass-based solar encapsulation methods. To prove out long term reliability, we would like to work with NREL's reliability specialists and Test To Failure protocols, as well as tests to meet basic UL/CE/IEC requirements. Using advance lab equipment, we can complete accelerated testing with reliability and bankability in mind. Initial, priority tests include Damp Heat and Wet Leakage. Moon Homes has created concepts for future, novel encapsulation methods, with potential for considerable cost savings and reliability improvements. Such methods benefit the progression of solar technology. We would like to work with NREL's Silicon Device Group to prove or disprove viability. We have reached out to NREL for discussion with various groups, as well as NREL veterans, who have pointed our research into useful directions.

We will require outdoor outdoor testing, preferably at Fraunhofer, possibly at NREL, to fully characterize performance for energy yield estimates.

As manufacturing methods and materials become finalized, Moon Home would like to request analysis of our lifecycle for improvement, possibly with the Idaho National Laboratory (INL) Net Zero Waste projects. The INL is within range of in-person meeting.

Oak Ridge National Laboratory has conducted significant research into building envelope energy savings. Our technology requires new testing thermal and humidity aspects of the building envelope.

Moon Homes personnel are available to travel to NREL, INL, LBNL, and locally in California, for in-person meeting and project initiations.

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