

PV Module Reliability Workshop – Discussion Notes

Tuesday, February 24, 2015

Comparing Field and Lab Data Session

- Questioning the ALT vs. lifetime testing:
 - Are the steady state ‘big hammer’ solutions sufficient?
 - Do we question our underlying assumptions enough?
- We are greedy, most likely too greedy.
 - Base coat/clear coat example of acceleration of ~10, not ~100 as IEC tests require.
 - Most likely ‘bigger hammers’ won’t help.
- Test cycles vary widely. Jim Pickett developed test cycle gives that gave good agreement for thermoplastics, which were very different from Al Zielnik’s automotive tests.
- UV testing conditions have been identified that provide a good link to changes in transmission for indoor vs. outdoor testing.