PV Module Power Rating
Alex Mikonowicz, PowerMark Corp.

“It says it is rated for 200 watts, isn’t that what it should produce?”

Goal
“an honest watt”

• Develop effective module power rating standard, to address current market and development concerns, and implement the standards in the US market.
Background

• Current practice; is nameplate +/- 10% for current, voltage, & power.
• Sorting or binning at the factory results in lopsided bins, increasing system design difficulties.

Expected Results

• A Standard that may be used in procurement documents by State agencies, lenders, installers, & others.
• Creation and adaptation of a “policy” to be inserted in governmental underwriting documents.
Tasks to be completed

Task 1

• Preparation of a Solar ABC’s report and recommendation on PV module Tolerance
• Report of review and comment of the Stakeholder meeting with this recommendation
• Scheduled Completion; July, 2010

Task 2

• Develop Standardized Module Rating and Reporting Requirements
• Establish procedure of Datasheet and Nameplate information for PV modules
• Solar ABC’s report on the procedure
• Report on Stakeholder Meetings with their input into the procedure
Under Consideration / Discussion

- Establish Name plate +/- 5% as baseline
  - Issue; tester variation & laboratory variation may not be able to accomplish goal
- Adapt practice used in Europe, Nameplate +10 %, -0
  - Issue; possible resistance from mfg’s

My consultant in preparation of this material