



**Solar America Board for Codes and Standards**

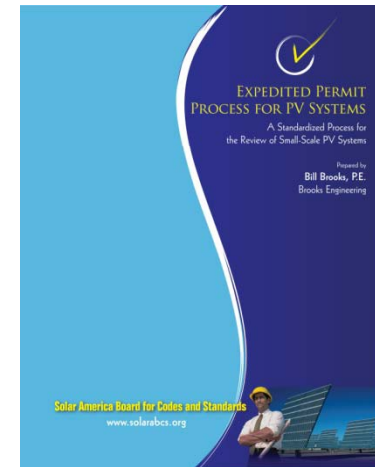
# **Solar ABCs**

## **Report of Activities: Year Four**

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# Study Reports Completed in Year Four

- Grounding Photovoltaic Modules:  
Lay of the Land
- Understanding the CAL FIRE Solar Photovoltaic Installation  
Guideline
- Sustainable, Multi-Segment Market Design for Distributed Solar  
Photovoltaics
- PV Module Power Rating per IEC 61853-1
- Policy Recommendation: PV Module Power Rating Requirements
- White Paper: Impacts on PV Installations of Changes to the 2012  
International Codes



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# Study Reports Currently In Development

- Ground-Fault Protection Blindspot
- Ground-Fault System Design Guidebook
- Accelerated Aging Literature Review
- Protocol for Accelerated Aging Testing
- PV Module Frame Grounding: Issues and Recommendations
- System Grounding Issues
- Recommended Datasheet and Nameplate Information for PV Modules
- Fire Rating
- Maintenance and Inspection Guidebook
- Temporary Over Voltage on Distribution System

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# Participation in Standard and Code Development

- *National Electrical Code*®
- I-Codes
- International Electrotechnical Commission (IEC) Standards
- National Standards (IEEE, ASTM, SEMI)
- Underwriters Laboratories (UL) Standards

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# Implementation Activities

- Study Reports
- Education through webinars and other events
- Training

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# Activities Identified Through Gap Analysis

- Solar ABCs
  - Need for Ground-Fault Improvements to Prevent Fires
  - Best Practices: Maintenance and Inspection Guidebook
  - PV Connector Issues
  - Temporary Over Voltage on Distribution System
  - Bypass-Diode Failures-Inspection Program
- Others
  - Universal PV Interface Standards
  - Use of Modules with Embedded Electronics

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# Opportunities for Involvement

- Participate in Stakeholder Webinars and Meetings
- Subscribe to the Quarterly Newsletter
- Submit Comments on Draft Reports & Other Documents
- Participate in Developing Recommendations
- Participate with Code & Standard Development Organizations
- Co-Fund a Solar ABCs Study

[www.solarabcs.org](http://www.solarabcs.org)



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