



U.S. Photovoltaic Manufacturing Consortium  
SOLAR ABCs Update  
14 September, 2012

# DOE SunShot Initiative

- Mission of DOE SunShot Initiative
  - Deliver grid-parity solar PV by 2020, ~75% reduction in cost of PV systems. Advance large-scale US solar manufacturing. Drive national deployment of solar energy
- SunShot Initiative – focused on R&D and cost reductions

## PV Cells / Modules – 3 recipients

Balance of System  
Power Electronics

- April 11, 2011 – award recipients of solar cell/module
  - **Industry-led consortium, SEMATECH – PVMC** **\$62.5M**  
Copper indium gallium selenide (CIGS) pilot line, in partnership with CNSE  
c-Si metrology and wafering technologies, in partnership with UCF/FSEC in Florida
  - PV manufacturing development facility – SVTC **\$30.0M**
  - University-led consortium – BAPVC (Stanford/Berkeley) **\$25.0M**

## U.S. Photovoltaic Manufacturing Consortium (PVMC)



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# U.S. PVMC

## Standards/Codes

- Part of our DOE deliverables
- Participate, not recreate
  - Not a Standards Development Organization (SDO)
  - Facilitate/coordinate efforts
- Consortiums ideal for standards/codes
  - Import industry needs
  - Consensus

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# Working Group Meeting on Standards

June, 2012 (IEEE PVSC in Austin, TX)

- All major SDOs participated
  - IEC, SEMI, UL, ASTM, SOLAR ABCs
  - Presentation and Report

[http://www.uspvmc.org/proceedings/2012\\_IEEE\\_PVSC/index.html](http://www.uspvmc.org/proceedings/2012_IEEE_PVSC/index.html)

- Product
  - Standards Dashboard
  - Annual SDO Forum

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# PV Standards Dashboard

- Keep industry members aware of SDO activities - standards, progress, groups
- Provide SDO with potential gaps
- SDO benefits:
  - Help increase activity awareness
  - Recruit volunteers
- Dashboard

<http://standards.uspvmc.org>

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# Annual Standards Forum

- Tethered to major PV conference for critical mass of attendees
  - IEEE PVSC 39 (Tampa, FL)
    - June, 2013 (6/16 - 6/20/2013)
- SDO updates on standards activities
  - Brainstorming/breakout sessions, gaps
- Include PV Codes
  - Invite SOLAR ABCs to participate



Thank you for the opportunity  
to introduce and update SOLAR ABCs on  
U.S. Photovoltaic Manufacturing Consortium  
activities and plans!

Any questions?

