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PV Arc Fault Circuit Interrupters (AFCIs)

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October 2011



UL Subject 1699B PV DC Arc-Fault Circuit Protection AFCI

- 2011 NEC requires PV AFCIs for many PV systems.
- UL Subject 1699B was Published APRIL 29, 2011 and it is being used to evaluate and certify PV AFCI equipment.
- Subject 1699B is planned to be developed through the ANSI consensus standards writing process into ANSI/UL 1699B with a new Standards Technical Panel (STP) including:
 - PV Industry, AFCI industry, Mfrs, AHJs, Test Labs, National Labs, Industry Experts, and General Interest.



PV AFCIs Are on the Way!

- PV AFCIs and related components are being developed by many manufacturers and 1699B certifications are underway.
- In addition to stand alone PV AFCI products, the functionality is being built into many PV system components;
 - Inverters
 - PV modules mounted electronics
 - PV DC/DC converters
 - Combiner Boxes

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- UL 1741 CRD to reference 1699B for products that include PV AFCI protection functionality
- Proposal made to revise UL 1741
- Comments received
- Preparing ballot