



Press Release

International Energy Agency Photovoltaic Power System Programme (IEA PVPS) publishes New Reports on PV Performance & Reliability.

International Energy Agency PVPS Programme (IEA PVPS) is proud to announce the publication of two new reports focusing on Performance and Reliability of Photovoltaic Systems (Task 13) in April, 2018.

The Task 13 reports are published to improve the operation, reliability and, consequently, the electrical and economic output of photovoltaic power systems and subsystems through:

- Providing a common platform whereby quality aspects are elaborated;
- Exchanged among stakeholders;
- Disseminating this knowledge to different market actors.

The PV industry is very interested in information on performance and reliability. Companies which have the required data at their disposal tend, however, to be reluctant to share this information. The project partners will meet this challenge by involving these companies at an early stage of the project development.

Uncertainties in PV System Yield Predictions and Assessments (Task 13)

Long term yield predictions (LTYP) are a prerequisite for business decisions on long term investments into photovoltaic (PV) power plants and this report tries to collect some insights into the field of uncertainties of several technical aspects of PV system yield prediction and assessment.

This study aims at developing a method to handle all sources of uncertainties influencing lifetime energy yield predictions and to present the information needed to feed financial models with time dependent yield estimates and exceedance probabilities as desired by investors or stakeholders.

Download the full report here: <http://www.iea-pvps.org/index.php?id=477>

Review on Infrared and Electroluminescence Imaging for PV Field Applications (Task 13)

Since the quality assurance measures for PV modules are of fundamental importance for any PV power plant asset, this report presents the current practices for infrared (IR) and electroluminescence (EL) imaging of PV modules and systems, looking at environmental and device requirements on one hand, and on the interpretation of sample patterns with abnormalities on the other hand.

The goal is to provide recommendations and guidelines for using IR and EL imaging techniques to identify and assess specific failure modes of PV modules and systems in field applications.

Download the full report here: <http://www.iea-pvps.org/index.php?id=480>

About the IEA PVPS Task 13

Task 13 was established in 2010 within the IEA PVPS Programme in order to continue to research activities on performance and quality issues started in the former Task 2. It is today one of the most respected Tasks within the programme, with contributors from all over the world.

The Task is co-managed by TÜV Rheinland and the Fraunhofer-Institut für Solare Energiesysteme ISE, both from Germany.

About IEA PVPS

The IEA Photovoltaic Power Systems Programme (IEA PVPS) is one of the collaborative R&D Agreements established within the IEA and, since its establishment in 1993, the PVPS participants have been conducting a variety of joint projects in the application of photovoltaic conversion of solar energy into electricity. The 32 PVPS members are: Australia, Austria, Belgium, Canada, Chile, China, Denmark, European Union, Finland, France, Germany, International Copper Alliance, Israel, Italy, Japan, Korea, Malaysia, Mexico, Morocco, Netherlands, Norway, Portugal, SEIA, SEPA, SolarPower Europe, South Africa, Spain, Sweden, Switzerland, Thailand, Turkey, and the United States.

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