



IEC 61724 Workshop



2025 PVPMC

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We Need Industry Participation!

**Participate in
61724 Discussions
in Project Teams**



This Session

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- **Quick Overview**
 - IEC 61724-1 (Instrumentation)
 - IEC 61724-2 (Short-Term Capacity Testing)
 - IEC 61724-3 (Long-Term Energy Testing)
- **Individual Feedback on Slido**
- **Small Group Discussions and Share**



Revision Progress

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IEC 61724-1

- Edition 2 published in 2021
- Starting work on Edition 3 now



IEC 61724-2

- Draft of Edition 2 completed 2024
- Final draft ready for circulation in early 2025



IEC 61724-3

- Edition 1 published in 2016
- Starting work on Edition 2 now



IEC 61724-1

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- **Instrumentation**
- Outlines terminology, equipment, and methods for performance monitoring and analysis of photovoltaic (PV) systems. It also serves as a basis for other standards which rely upon the data collected.
- Defines Class A (large-scale) and Class B (small-scale) monitoring systems
- Defines performance ratio (measured /expected)

IEC 61724-2

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- **Short-Term Capacity Testing** (Comparable to ASTM E2848)
- Defines a procedure for measuring and analyzing the power production of a specific PV system with the goal of evaluating the quality of the PV system performance over a short period of time.
- Edition 2 updates include bifacial systems, multiple performance model approaches, adaptations for faster capacity testing, and more.

IEC 61724-3

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- **Long-Term Energy Testing**
- Addresses testing of a specific deployed PV system over the full range of relevant operating conditions and for a sustained time (generally a complete year) to verify long-term expectations of energy production.
- Defines test report for energy performance indices with considerations for data filtering, test boundary, availability, and uncertainty analysis

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