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Photovoltaic systems – Specifications for solar trackers

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC 62727, which is a technical specification, has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
82/651/DTS	82/711/RVC

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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PHOTOVOLTAIC SYSTEMS – SPECIFICATIONS FOR SOLAR TRACKERS

1 Scope and object

This technical specification provides guidelines for the parameters to be specified for solar trackers for photovoltaic systems and provides recommendations for measurement techniques. No attempt is made to determine pass/fail criteria for trackers.

The purpose of this test specification is to define the performance characteristics of trackers and describe the methods to calculate and/or measure critical parameters.

This specification provides industry-wide definitions and parameters for solar trackers. Each vendor can design, build, and specify the functionality and accuracy with uniform definition. This allows consistency in specifying the requirements for purchasing, comparing the products from different vendors, and verifying the quality of the products. In addition, this specification will clarify terminology and definitions for trackers and provide examples of measurement techniques.

This technical specification will be a foundation for other standards to follow, including (but not limited to) design qualification and reliability.