



TECHNICAL REPORT

Incompatibility of connectors for DC-application in photovoltaic systems

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INCOMPATIBILITY OF CONNECTORS FOR
DC-APPLICATION IN PHOTOVOLTAIC SYSTEMS**
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IEC TR 63225, which is a Technical Report, has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

The text of this Technical Report is based on the following documents:

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

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

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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

INCOMPATIBILITY OF CONNECTORS FOR DC-APPLICATION IN PHOTOVOLTAIC SYSTEMS

1 Scope

This document highlights the problem of incompatibility of connectors for DC-application in photovoltaic systems (DC connectors) produced by different manufacturers. It addresses four particular issues in that context:

- background information on incompatibility of DC connectors from different manufacturers;
- observations and challenges concerning the handling of DC connectors from different manufacturers;
- stakeholders concerned by the incompatibility of DC connectors;
- recommendations for long-term standardization and interim measures to address incompatibility of DC connectors.

2 Normative references

IEC 62852, *Connectors for DC-application in photovoltaic systems – Safety requirements and tests*