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**Photovoltaic devices –
Part 9: Classification of solar simulator characteristics**

**Dispositifs photovoltaïques –
Partie 9: Classification des caractéristiques des simulateurs solaires**

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 27.160

ISBN 978-2-8322-8765-1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PHOTOVOLTAIC DEVICES –

Part 9: Classification of solar simulator characteristics

FOREWORD

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International Standard IEC 60904-9 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

This third edition cancels and replaces the second edition issued in 2007. It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- Changed title;
- Added spectral match classification in an extended wavelength range;
- Introduction of new A+ class;
- Definition of additional parameters for spectral irradiance evaluation;
- Added apparatus sections for spectral irradiance measurement and spatial uniformity measurement;

- Revised procedure for spectral match classification (minimum 4 measurement locations);
- Revised measurement procedure for spatial uniformity of irradiance;
- Added informative Annex A for sensitivity analysis of spectral mismatch error related to solar simulator spectral irradiance.

The text of this standard is based on the following documents:

FDIS	Report on voting
82/1756/FDIS	82/1775/RVD

Full information on the voting for the approval of this International Standard 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.

A list of all parts in the IEC 60904 series, published under the general title *Photovoltaic devices*, can be found on the IEC web site.

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