

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics

Dispositifs photovoltaïques – Procédures pour les corrections en fonction de la température et de l'éclairement à appliquer aux caractéristiques I-V mesurées





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IEC 60891

Edition 3.0 2021-10

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 27.160

ISBN 978-2-8322-1036-0

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PHOTOVOLTAIC DEVICES – PROCEDURES FOR TEMPERATURE AND IRRADIANCE CORRECTIONS TO MEASURED I-V CHARACTERISTICS

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International Standard IEC 60891 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

This third edition cancels and replaces the second edition published in 2009. This edition constitutes a technical revision.

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

- adds guidance on which correction procedure shall be used depending on application;
- introduces translation procedure 4 applicable to c-Si technologies with unknown temperature coefficients;
- introduces various clarifications in existing procedures to improve measurement accuracy and reduce measurement uncertainty;
- adds an informative annex for supplementary methods that can be used for series resistance determination.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
82/1936/FDIS	82/1957/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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