



**SLOVENSKI STANDARD**  
**SIST EN 60891:2001**

**01-september-2001**

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**Postopki za temperaturno in sevalno korekcijo izmerjenih karakteristik I-U  
fotonapetostnih generatorjev iz kristalnega silicija**

Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic devices

Verfahren zur Umrechnung von gemessenen Strom-Spannungs-Kennlinien von photovoltaischen Bauelementen aus kristallinem Silizium auf andere Temperaturen und Einstrahlungen

(standards.iteh.ai)

Procédures pour les corrections en fonction de la température et de l'éclairement à appliquer aux caractéristiques I-V mesurées des dispositifs photovoltaïques au silicium cristallin

**Ta slovenski standard je istoveten z: EN 60891:1994**

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**ICS:**

27.160      Solar energy engineering

**SIST EN 60891:2001**      en

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EUROPEAN STANDARD

EN 60891

NORME EUROPEENNE

EUROPÄISCHE NORM

September 1994

UDC 621.383:621.317.08

Descriptors: Photovoltaic devices, crystalline silicon, irradiance corrections, I-V characteristics, temperature corrections

## ENGLISH VERSION

Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic devices  
(IEC 891:1987 + A1:1992)

Procédures pour les corrections en fonction de la température et de l'éclairement à appliquer aux caractéristiques I-V mesurées des dispositifs photovoltaïques au silicium cristallin  
(CEI 891:1987 + A1:1992)

Verfahren zur Korrektur von Temperatur und Einstrahlung von gemessenen Strom-Spannungs-Kennlinien von photovoltaischen Betriebsmitteln aus kristallinen Silizium  
(IEC 891:1987 + A1:1992)

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This European Standard was approved by CENELEC on 1994-03-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

## CENELEC

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 891:1987 and its amendment 1:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60891 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-15
- latest date of withdrawal of conflicting national standards (dow) 1995-03-15

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

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The text of the International Standard IEC 891:1987 and its amendment 1:1992 was approved by CENELEC as a European Standard without any modification.

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## ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
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27	series	Letter symbols to be used in electrical technology	HD 245	series

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INTERNATIONALE  
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Première édition  
First edition  
1987-04

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**Procédures pour les corrections en fonction  
de la température et de l'éclairement à appliquer  
aux caractéristiques I - V mesurées des  
dispositifs photovoltaïques au silicium cristallin**

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corrections to measured I - V characteristics  
of crystalline silicon photovoltaic devices**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PROCEDURES FOR TEMPERATURE AND IRRADIANCE CORRECTIONS  
TO MEASURED I-V CHARACTERISTICS OF  
CRYSTALLINE SILICON PHOTOVOLTAIC DEVICES**

## FOREWORD

- 1) The formal decisions or agreements of the I E C on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the I E C expresses the wish that all National Committees should adopt the text of the I E C recommendation for their national rules in so far as national conditions will permit. Any divergence between the I E C recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

## PREFACE

This standard has been prepared by I E C Technical Committee No. 82: Solar Photovoltaic Energy Systems.

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

<https://standards.iec.ch/catalog/standards/sis/128dbb99-4c4e-4c52-aa6e-09ba282c68f/sis-en-60891-2001>

Six Months' Rule	Report on Voting
82(CO)3	82(CO)7

Further information can be found in the Report on Voting indicated in the table above.

*The following I E C publication is quoted in this standard:*

Publication No. 27: Letter Symbols to be Used in Electrical Technology.