



**SLOVENSKI STANDARD**  
**SIST EN IEC 62788-1-7:2020**

**01-september-2020**

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**Merilni postopki za materiale, uporabljene v fotonapetostnih modulih - 1-7. del:  
Enkapsulanti - Preskusni postopki za optično trajnost**

Measurement procedures for materials used in photovoltaic modules - Part 1-7:  
Encapsulants - Test procedure of optical durability

Messverfahren für Werkstoffe, die in Photovoltaik-Modulen verwendet werden - Teil 1-7:  
Verkapselungsstoffe - Testverfahren der optischen Beständigkeit

Procédures de mesure des matériaux utilisés dans les modules photovoltaïques - Part 1-7:  
Encapsulants - Procédure d'essai de la durabilité optique

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**Ta slovenski standard je istoveten z: EN IEC 62788-1-7:2020**

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**ICS:**

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EUROPEAN STANDARD

EN IEC 62788-1-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2020

ICS 27.160

English Version

Measurement procedures for materials used in photovoltaic  
modules - Part 1-7: Encapsulants - Test procedure of optical  
durability  
(IEC 62788-1-7:2020)

Procédures de mesure des matériaux utilisés dans les  
modules photovoltaïques - Part 1-7: Encapsulants -  
Procédure d'essai de la durabilité optique  
(IEC 62788-1-7:2020)

To be completed  
(IEC 62788-1-7:2020)

This European Standard was approved by CENELEC on 2020-05-26. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

**EN IEC 62788-1-7:2020 (E)****European foreword**

The text of document 82/1669/FDIS, future edition 1 of IEC 62788-1-7, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62788-1-7:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-02-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-26

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The text of the International Standard IEC 62788-1-7:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60904-3	NOTE	Harmonized as EN IEC 60904-3
IEC 61730-2	NOTE	Harmonized as EN IEC 61730-2
IEC 62788-2 (series)	NOTE	Harmonized as EN IEC 62788-2 (series)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

Publication	Year	Title	EN/HD	Year
IEC 61215-2	-	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures	EN 61215-2	-
IEC 61730-1	-	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction	EN IEC 61730-1	-
IEC/TS 61836	-	Solar photovoltaic energy systems - Terms, definitions and symbols	-	-
IEC 62788-1-4	-	Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength	EN 62788-1-4	-
IEC/TS 62788-7-2	-	Measurement procedures for materials used in photovoltaic modules - Part 7-2: Environmental exposures - Accelerated weathering tests of polymeric materials	-	-
IEC/TS 62915	-	Photovoltaic (PV) modules - Type approval, design and safety qualification - Retesting	-	-
IEC/TS 63126 <sup>1</sup>	-	Guidelines for qualifying PV modules, components, and materials for operation at high temperatures	-	-

<sup>1</sup> Under preparation. Stage at the time of publication: IEC/DTS 63126:2019.

**EN IEC 62788-1-7:2020 (E)**

ISO 291	-	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	-
ASTM G7	-	Standard practice for atmospheric environmental exposure testing of nonmetallic materials	-	-

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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Measurement procedures for materials used in photovoltaic modules –  
Part 1-7: Encapsulants – Test procedure of optical durability**

**Procédures de mesure des matériaux utilisés dans les modules  
photovoltaïques –  
Partie 1-7: Encapsulants – Procédure d'essai de la durabilité optique**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MEASUREMENT PROCEDURES FOR  
MATERIALS USED IN PHOTOVOLTAIC MODULES –**

**Part 1-7: Encapsulants –  
Test procedure of optical durability**

## FOREWORD

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International Standard IEC 62788-1-7 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

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

FDIS	Report on voting
82/1669/FDIS	82/1704/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 62788 series, published under the general title *Measurement procedures for materials used in photovoltaic modules*, can be found on the IEC website.