

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Photovoltaic (PV) Modules –Salt Mist Corrosion Testing

(First Revision)

(ICS 27.160)

Solar Photovoltaic Energy
Systems Sectional Committee, ETD 28

Last date for comments- 30 06 2024

NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is Identical with IEC 61701: 2020 ‘Photovoltaic (PV) Modules – Salt Mist Corrosion Testing’ issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Solar Photovoltaic Energy Systems Sectional Committee and approval of the Electrotechnical Division Council.

This standard was originally published in 2010 identical to IEC 61701: 1995. The First Revision of this standard has been undertaken to align with the latest version of IEC 61701: 2020.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 61215-1, Terrestrial photovoltaic (PV) modules –	IS 14286 (Part 1) : 2019 / IEC 61215-1 : 2016 Terrestrial Photovoltaic (PV)	Identical

Design qualification and type approval – Part 1: Test requirements	Modules — Design Qualification and Type Approval Part 1 Test Requirements (<i>Second Revision</i>)	
IEC 61215-2, Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures	IS 14286 (Part 2) : 2019 / IEC 61215-2 : 2016 Terrestrial Photovoltaic (PV) Modules — Design Qualification and Type Approval Part 2 Test Procedures (<i>Second Revision</i>)	Identical
IEC 61730-2, Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing	IS / IEC 61730-2 : 2016 Photovoltaic (PV) Module Safety Qualification Part 2 Requirements for Testing (<i>First Revision</i>)	Identical
IEC TS 61836, Solar photovoltaic energy systems – Terms, definitions and symbols	IS 12834 : 2023 / IEC TS 61836 : 2016 Solar Photovoltaic Energy Systems — Terms, Definitions and Symbols (<i>Second Revision</i>)	Identical
IEC 62108, Concentrator photovoltaic (CPV) modules and assemblies – Design qualification and type approval	IS 16228 : 2019 / IEC 62108 : 2016 Concentrator Photovoltaic (CPV) Modules and Assemblies — Design Qualification and Type Approval (<i>First Revision</i>)	Identical
ISO 9223, Corrosion of metals and alloys – Corrosivity of atmospheres – Classification, determination and estimation	IS 14191 : 1996 Corrosion of Metals and Alloys - Classification of Corrosivity of Atmospheres	Technically Equivalent

The technical committee has reviewed the provision of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
IEC 60068-2-52	Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)
ISO 9227	Corrosion tests in artificial atmospheres — Salt spray tests

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 61701: 2020 or kindly contact:

Head
Electrotechnical Department
Bureau of Indian Standards
9, Bahadur Shah Zafar Marg,
New Delhi-110002
Email: eetd@bis.gov.in
Telephone: 011-23231192 / 8284