



## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : T-01

Date : 30 May 2024

**TECHNICAL COMMITTEE : Solar Photovoltaic Energy Systems, ETD 28**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Solar Photovoltaic Energy Systems Sectional Committee, ETD 28. Please [click here](#) to view the document.

**Document Number : ETD 28 (25770) WC**

**Title of the document : Photovoltaic Devices Part 1: Measurement of Photovoltaic Current-Voltage Characteristics**

**Document Type : Revision of Indian Standard (IS 12762 : Part 1 : 2010)**

*This document has following salient features which may require specific attention for your valuable comments:*

*1) This Standard describes procedures for the measurement of current-voltage characteristics (I-V curves) of photovoltaic (PV) devices in natural or simulated sunlight. These procedures are applicable to a single PV solar cell, a sub-assembly of PV solar cells, or a PV module. This document is applicable to non-concentrating PV devices for use in terrestrial environments, with reference to (usually but not exclusively) the global reference spectral irradiance AM1.5 defined in IEC 60904-3. This edition cancels and replaces the earlier edition. The main changes with respect to the previous edition are as follows: - Updated scope to include all conditions. - Added terms and definitions. - Reorganized document to avoid unnecessary duplication. - Added data analysis clause. - Added informative annexes (area measurement, PV devices with capacitance, dark I-V curves and effect of spatial non-uniformity of irradiance).*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 29 June 2024**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at [eetd@bis.gov.in](mailto:eetd@bis.gov.in) to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,  
(ASIT KUMAR MAHARANA)  
Head (Electrotechnical Department)  
Email: [eetd@bis.gov.in](mailto:eetd@bis.gov.in)**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : T-01

दिनांक : 30-05-2024

**तकनीकी समिति : Solar Photovoltaic Energy Systems Sectional Committee, ETD 28**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : ETD 28 (25770) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 29 June 2024**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,  
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