#### SRI LANKA STANDARD 1545 PART 1: 2016

IEC 61853-1 : 2011 UDC 621.311

# SPECIFICATION FOR PHOTOVOLTAIC (PV) MODULE PERFORMANCE TESTING AND ENERGY RATING

PART 1: IRRADIANCE AND TEMPERATURE
PERFORMANCE MEASUREMENTS AND POWER RATING

SRI LANKA STANDARDS INSTITUTION

#### Sri Lanka Standard Specification for

### PHOTOVOLTAIC (PV) MODULE PERFORMANCE TESTING AND ENERGY RATING PART 1: IRRADIANCE AND TEMPERATURE PERFORMANCE MEASUREMENTS AND POWER RATING

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Edition 1.0

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### PHOTOVOLTAIC (PV) MODULE PERFORMANCE TESTING AND ENERGY RATING PART 1: IRRADIANCE AND TEMPERATURE PERFORMANCE MEASUREMENTS AND POWER RATING

#### NATIONAL FOREWORD

This standard was approved by the Sectoral Committee on Electronic Engineering and was authorized for adoption and publication as a Sri Lanka Standard by the Council of Sri Lanka Standards Institution on 2016-11-24.

SLS 1545 Sri Lanka Standard Specification for Photovoltaic (PV) module performance testing and energy rating, Part 1: irradiance and temperature performance measurements and power rating. This part of standard is identical with IEC 61853 Photovoltaic (PV) module performance testing and energy rating, Part 1: 2011 Edition 1.0 irradiance and temperature performance measurements and power rating, published by the International Electrotechnical Commission (IEC).

All values given in this standard is in SI units.

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 or an analysis shall be rounded off in accordance with SLS 102, in case if the method of rounding off is not specified in the text of this standard. The number of figures to be retained in the rounded off value, shall be the same as that of the specified value in this standard.

#### **Terminology and conventions**

The text of the International Standard has been accepted as suitable for publication, without any deviation as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards; attention is therefore drawn to the following:

- a) Wherever the words "International Standard" appear referring to this standard they should be interpreted as "Sri Lanka Standard".
- b) Wherever the page numbers are quoted they are the page numbers of IEC standard.
- c) The comma has been used as a decimal marker. In Sri Lanka Standards it is the current practices to use a full point on the base line as a decimal marker.
- d) Attention is drawn to the possibility that some of the elements of the Sri Lanka Standard may be the subject of patent rights. SLSI shall not be held responsible for identifying any or all such patent rights.

#### **CROSS REFERENCES**

Any corresponding Sri Lanka Standard, for the international standards listed under reference, is not available.





Edition 1.0 2011-01

## INTERNATIONAL STANDARD

### NORME INTERNATIONALE

Photovoltaic (PV) module performance testing and energy rating – Part 1: Irradiance and temperature performance measurements and power rating

Essais de performance et caractéristiques assignées d'énergie des modules photovoltaïques (PV) –

Partie 1: Mesures de performance en fonction de l'éclairement et de la température, et caractéristiques de puissance



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