



# UL 61215-1

## STANDARD FOR SAFETY

Terrestrial Photovoltaic (PV) Modules –  
Design Qualification and Type Approval  
– Part 1: Test Requirements

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UL Standard for Safety for Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1: Test Requirements, UL 61215-1

Second Edition, Dated July 28, 2021

### **Summary of Topics**

**UL 61215-1 is an adoption of IEC 61215-1, Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1: Test Requirements (Second Edition, issued February 2021). Please note that there are no National Differences.**

The requirements are substantially in accordance with Proposal(s) on this subject dated May 21, 2021.

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**UL 61215-1**

**Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type**

**Approval – Part 1: Test Requirements**

First Edition – February, 2017

**Second Edition**

**July 28, 2021**

This ANSI/UL Standard for Safety consists of the Second Edition.

The most recent designation of ANSI/UL 61215-1 as an American National Standard (ANSI) occurred on July 7, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or Preface. The IEC Foreword is also excluded from the ANSI approval of IEC-based standards.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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## PREFACE

This UL Standard is based on IEC Publication IEC 61215-1: Second edition Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1: Test Requirements. IEC publication IEC 61215-1 is copyrighted by the IEC.

This edition has been issued to satisfy UL Standards policy.

This is the UL Standard for Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1: Test Requirements. This UL Part 1 is to be used in conjunction with UL 61215-2.

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Note – Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

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# FOREWORD

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International Standard IEC 61215-1 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

This second edition of IEC 61215-1 cancels and replaces the first edition of IEC 61215-1, published in 2017; it constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Addition of a test taken from IEC TS 62782.

b) Addition of a test taken from IEC TS 62804-1.

c) Addition of test methods required for flexible modules. This includes the addition of the bending test (MQT 22).