

DMMS IEC 61730-2:2023 - Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing

Abstract

IEC 61730-2:2023 is available as IEC 61730-2:2023 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.

IEC 61730-2:2023 lists the tests a PV module is required to fulfil for safety qualification. This document applies for safety qualification only in conjunction with IEC 61730-1. The objective of this document is to provide the testing sequence intended to verify the safety of PV modules whose construction has been assessed by IEC 61730-1. The test sequence and pass criteria are designed to detect the potential breakdown of internal and external components of PV modules that would result in fire, electric shock, and/or personal injury. This document defines the IEC 61730-2:2023 Identical Adoption 4 basic safety test requirements and additional tests that are a function of the PV module end-use applications. The additional testing requirements outlined in relevant ISO documents, or the national or local codes which govern the installation and use of these PV modules in their intended locations, are considered in addition to the requirements contained within this document.