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SYNOPSIS

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TERRESTRIAL PHOTOVOLTAIC (PV) MODULES – DESIGN QUALIFICATION AND TYPE APPROVAL – Part 1-4: Special requirements for testing of thin-film $Cu(In,Ga)(S,Se)_2$ based photovoltaic (PV) modules

This part of IS 14286 lays down IEC requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open air climates, as defined in IEC 60721-2-1. This document is intended to apply to all thin-film Cu(In,Ga)(S,Se)2 based terrestrial flat plate modules. As such it addresses special requirements for testing of this technology supplementing IS 14286 (Part 1) and IS 14286(Part 2) requirements for testing.

The object of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure in climates described in the scope. The actual lifetime expectancy of modules so qualified will depend on their design, their environment and the conditions under which they are operated.

This document defines PV technology dependent modifications to the testing procedures and requirements per IS 14286 (Part 1) and IS 14286(Part 2)

Disclaimer: