

UNDERWRITERS LABORATORIES INC. CERTIFICATION REQUIREMENT DECISION

This Certification Requirement Decision is prepared by UL LLC. It is normative for the applicable UL Product Certification Program(s); however, it is currently not part of the UL Standard(s) referenced below.

Product Category (CCN): QIGU

Standard Number: UL 1703

Standard Title: Standard for Flat-Plate Photovoltaic Modules and Panels

Edition Date: March 15, 2002

Edition Number: 3

Section / Paragraph Reference: 27 Wet Insulation-Resistance Test / 27.2

Subject: Remove surface tension requirement in UL 1703 for consistency with UL 61730.

DECISION:

27.2 The laminate portion of the module or panel is to be immersed in a non-corrosive liquid agent (surfactant) solution. The liquid agent is to have 35 ohm-meter maximum resistance, ~~0.03 N/m maximum surface tension~~, and a temperature of $22 \pm 3^{\circ}\text{C}$ ($72 \pm 5^{\circ}\text{F}$). Terminal boxes and pigtail-leads or other connectors are to be maintained above the solution level and are to be thoroughly wetted by pouring the solution over these areas. Uninsulated terminations are not to be wetted.

RATIONALE FOR DECISION:

UL 61730-2, MST 17, Wet leakage current test, refers to IEC 61215-2, MQT 15, with the same test name. MST 17 no longer requires a surface tension requirement to the test solution, only conductivity and temperature. This proposal is to provide consistency between the two documents.

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