

STANDARD INFORMATION

Standard: UL 3703

Standard ID: Solar Trackers [UL 3703:2015 Ed.1+R:31Jul2025]

Previous Standard ID: Solar Trackers [UL 3703:2015 Ed.1+R:22Apr2025]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **July 31, 2027**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Expansion of the Flexing Test. Specific details of new/revised requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
52	Info	Flexing Test <i>New clause added;</i>
52.2		The test in this section shall also be performed on bonding straps, subject to movement in PV tracker equipment, that do not comply with the sizing requirement in 9.6(b) of UL 2703. See Exception to 16.11. <i>New clause added;</i>
52.3		Manufacturer's instructions shall be followed for installing the bonding strap, with specific attention to the orientation of the strap and connection points relative the tracker motion. The manufacturer's specified hardware and method of attachment shall be followed. <i>New clause added;</i>
52.4		The test shall be performed with the same or greater movement range (e.g., tilt) as the tracker movement range. <i>New clause added;</i>
52.5		The test shall be performed for at least 7300 cycles where one cycle consists of starting at the minimum range (east facing), moving to the maximum range (west facing) and back to the original starting position, for example, -55° to +55° and back to -55°. One bonding strap sample shall be secured as in the actual installation. Note: 7300 cycles represent approximately 20 years of movement. <i>New clause added;</i>
52.6		The test speed of tracker rotation may be faster than, or equal to the tracker's normal operation, however it shall not be slower. <i>New clause added;</i>
52.7		The bonding strap and end terminations/crimps shall be intact after being subjected the movement test described. As a result of this test, there shall be no: a) Breakage of the conductor or any strand of a stranded conductor in accordance with 52.8; b) Shearing of components; and no c) Other damage to the connector.



CLAUSE	VERDICT	COMMENT
<i>New clause added;</i>		
52.8		Breaking of the conductor or any strand of a stranded conductor shall be determined by examination of the complete connector assembly while still intact after the movement test. Breakage has occurred if the conductor or a strand of a stranded conductor becomes visibly detached. However, strand breakage of 5 percent is allowed for flexible and fine stranded conductors.
<i>New clause added;</i>		
52.9		The test may be performed indoors or outdoors. Ambient temperature, humidity, and wind speed (as applicable) shall be recorded during the test and shown in the test report.