

STANDARD INFORMATION

Standard: UL 2231-2

Standard ID: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: Particular Requirements for Protection Devices for Use in Charging Systems [UL 2231-2:2012 Ed.2+R:15Dec2020]

Previous Standard ID: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: Particular Requirements for Protection Devices for Use in Charging Systems [UL 2231-2:2012 Ed.2+R:26Aug2016]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **December 15, 2022**

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.

Overview of Changes: Revising requirements for Isolated Circuit Systems – Capacitor Switching Transient Test and Harmonic Distortion Immunity 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
24	Info	Resistance to Environmental Noise Test
24.1	Info	General
		New clause added;
24.1.3A		An Electric Vehicle Supply or Charging Equipment monitored by an Isolation Monitor Interrupter (IM/I) shall be subjected to the following tests under the following conditions: a) For Harmonic Distortion Immunity test of 24.2 tested at any output load within its rated operating range to activate the equipment output. b) For Capacitor Switching Transient test of 24.9 tested at any output load within its rated operating range to activate the equipment output.
24.9	Info	Capacitor switching transient test
29.4.2		The device shall be connected to a source of rated supply and <u>at full</u> rated load. The ringing wave described in 24.9.3 shall be directly injected onto the input power line using a coupling-decoupling network (CDN) or equivalent.