

STANDARD INFORMATION

Standard: UL 174

Standard ID: Household Electric Storage Tank Water Heaters Location Groups [UL 174:2024 Ed.11+R:12Oct2023]

Previous Standard ID: Household Electric Storage Tank Water Heaters [UL 174:2004 Ed.11+R:16Dec2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **October 12, 2025**

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 Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes: Over the Air (Remote) Software/Firmware Updates. Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
Supplement SB	Info	SAFETY OF SMART ENABLED HOUSEHOLD ELECTRIC STORAGE TANK WATER HEATERS <i>New section added;</i> Remote Safety Firmware/Safety Software Updates The following clauses apply when the manufacturer declares the water heater has Class B or Class C firmware or software and has the functionality to remotely update this safety firmware or software. Note: An update occurs when firmware or software replaces or modifies the previous version of the Class B or Class C firmware or software. Additionally, an update occurs when the same version of Class B or Class C firmware or software is replaced during the remote update process. For example, consider a software update that includes both Class A and Class B software. If the Class A software is a modified version of the original and the Class B software has not been modified, though will be re-installed on a microcontroller, then this is considered a software update and subjected to the relevant requirements of this Section SB6. See standard for details.
SB6		