

STANDARD INFORMATION

Standard: UL 858

Standard ID: Standard for Safety Household Electric Ranges [UL 858:2014 Ed.16+R:02Aug2023]

Previous Standard ID: Standard for Safety Household Electric Ranges [UL 858:2014 Ed.16+R:18Apr2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **August 2, 2026**

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 Reports not updated to this version by the effective date above will be withdrawn.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: Improvements to Abnormal Operation – Induction Surface Unit Cooking Oil Ignition Test. Specific details of new/revisted 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
60A	Info	Abnormal Operation – Coil and Induction Surface Unit Cooking Oil Ignition Test
60A.1		Each surface unit provided as part of an appliance shall comply with 60A.3 if it has a nominal rating of 350 W or greater. <u>Whenever a surface unit is equipped with user-selectable multiple heating zone configurations, each zone configuration shall be tested separately.</u>
		<u>Exception: This requirement does not apply to non-circular induction surface units.</u>
		<i>New clause added;</i>
60A.1.1		The surface unit shall be allowed to operate for: a) 30 minutes for coil surface units. b) 15 minutes for induction surface units.
		<i>New clause added;</i>
60A.8.1		The cast iron pan specified in Table 60A.1 and Figure 60A.1 shall be placed on the center of the surface unit. For purposes of selecting pan size, the surface unit size shall be determined by the active area of the surface unit. A detailed specification for the reference pans can be found in AHAM ER-2-2022 clause 5.7.5.
		<i>New clause added;</i>
60A.8.2		The active area of coil element is determined by the maximum heating diameter as shown in Figure 60A.2.
		<i>New clause added;</i>
60A.8.3		The active area of an induction element is defined as the maximum dimension across coil.



CLAUSE	VERDICT	COMMENT
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New clause added;

For remote closed-loop cooking of an induction cooktop according to SA3.7, peripheral devices specified by the manufacturer, such as cookware or non-cookware feedback devices, shall be evaluated. Integral and peripheral devices shall be evaluated as follows:

a) Surface units capable of remote closed-loop cooking operation where the temperature limiting device is integral to the appliance shall be evaluated with the specified cast iron pan per Table 60A.1 and Figure 60A.1.

b) Surface units that are capable of remote closed-loop cooking operation where the temperature limiting device is not integral to the appliance shall be evaluated with the manufacturer specified device.

1) If the device is integral to the cookware (cooking vessels such as pots and pans), the cookware shall be used. The surface unit to be evaluated is that with a diameter less than or equal to the bottom diameter of the cookware with maximum rated power.

60A.8.4

NOTE – If the device may be used on a surface unit with a larger diameter and the input power is higher with the defined device on that surface unit, the surface unit with the larger diameter is to be used.

2) If the device is not integral to the cookware (devices such as thermal cameras), the cast iron pan per Table 60A.1 and Figure 60A.1 shall be used. Evaluation shall be undertaken with the peripheral device installed according to its instructions.

Exception: Non-cookware peripheral devices such as a temperature probe required for remote closed-loop cooking with liquids other than oil do not require evaluation for 60A.8.4(b)(2). The instructions provided with such devices shall include the word “WARNING” and the following instructions, or equivalent:

- a) “Do not operate without bath fluid in the cooking vessel.”
- b) “Do not use a flammable liquid as a bath fluid.”
- c) “Do not use with any non-food products.”
- d) “Periodically check to ensure that the liquid depth is within the acceptable range. Refill bath fluid as required.”
