

STANDARD INFORMATION

Standard: UL 1640

Standard ID: Portable Power-Distribution Equipment [UL 1640:2016 Ed.4+R:30Jun2020]

Previous Standard ID: Portable Power-Distribution Equipment [UL 1640:2016 Ed.4]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 30, 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:

- Addition of requirements for wet locations
- Addition of marking requirements

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
9	Info	Enclosure
9.6	Info	Inlet and receptacle doors
		Equipment with enclosures marked “Suitable for Use in Damp Locations” or “ <u>Suitable for Use in Damp or Wet Locations</u> ” or “ <u>DWL</u> ” shall be provided with spring closing doors that are gasketed and tight fitting, and that comply with the Spring-Closing Cycling Test, Section 27. The gasket shall meet requirements specified in Gasket Tests, Section 26. The spring shall be made of a material that is inherently resistant to corrosion.
9.6.2		Exception No. 1: Equipment provided with spring-closing outlet box doors (see the Note to 5.8) evaluated for use in damp locations is considered to comply with these requirements. Exception No. 2: A multi-conductor receptacle or inlet of either the non-locking-blade-, locking-blade-, or pin-and-sleeve-type that: a) Is provided with or integrates into its design a self-closing door (see the Note to 5.8) and b) Has been evaluated as “Suitable for use in Damp Locations”, “watertight”, or as any of Enclosure Types 3, 3R, 3X, 3RX, 3S, 3SX, 4, or 4X is considered to comply with these requirements.
14	Info	Output Connections
14.2	Info	Receptacles
14.2.4		All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles with configurations specified in the “Note” to this paragraph, and used in equipment marked as having a Type 3R enclosure or other Type designation intended for outdoor use, or marked “ <u>Suitable for Use in Damp Locations</u> ” or “ <u>Suitable for Use in Damp or Wet Locations</u> ” or “ <u>DWL</u> ” shall be rated as “weather-resistant” type in accordance with the Standard for Attachment Plugs and Receptacles, UL 498. See the Notes to 5.5 and 5.8.
33	Info	Enclosure Type
33.2		If the acceptability of an enclosure type designation is dependent upon a particular mounting orientation <u>or upon manual closure and fastening of doors or covers</u> , the enclosure shall be marked to indicate the required orientation <u>or required manual closure and fastening</u> . <u>Where this marking appears on products employed as components on or in equipment and the standards governing those products identify the terms “door” or “cover” with other terms (see the Note to 5.8 and the Note to 5.5), markings on such products shall not be required to be revised to the terms “door” or “cover”.</u>



CLAUSE	VERDICT	COMMENT
35	Info	Qualified Personnel <i>New clause added;</i>
35.2		Equipment subjected to the Resistance to Rain Test with doors (see the Note to 5.8) closed, as permitted in the Exception to 24.1, shall be marked with the following or other marking determined to be equivalent: "FOR USE BY QUALIFIED PERSONNEL ONLY" and "All doors must be closed and fastened prior to leaving the equipment unattended." This marking shall be in minimum 1/16 inch (1.6 mm) high letters. The words "FOR USE BY QUALIFIED PERSONNEL ONLY" shall be in minimum 1/8 inch (3.2 mm) high letters.
	Info	MARKINGS
67	Info	Details
67.1		In addition to the markings specified in General, Section 30, construction-site portable power-distribution equipment intended for temporary installations shall be provided with the following specified markings: a) For enclosure type in 33.1; b) In Receptacle Ratings, Section 36; c) In Switches or Circuit Breakers, Section 40; and d) In 67.2 – 67.8. <u>Where this marking appears on products employed as components on or in equipment and the standards governing those products identify the terms "door" or "cover" with other terms (see the Note to 5.8 and the Note to 5.5), markings on such products shall not be required to be revised to the terms "door" or "cover".</u>