

Distance between the plug-in box and the distribution box



Overview

Clearance: Electrical panels must be installed in a readily accessible area with a minimum clearance of 30 inches (762 mm) wide, 3 ft (36 inches or 914 mm) deep, and 6.5 feet (≈ 2 meter) high in front of the panel. The panelboard's door (hinged cover) shall be able to be opened to a. Spaces around electrical equipment (width, depth, and height) consist of working space for worker protection [110. NEC Article 408 covers switchboards, switchgear, and Panelboards installation and applications. You can mount a number of gas fueled tankless water heaters outdoors, usually with some weather protection, but you need to keep any gas fueled device like a heater safely distant from a potential source of sparks such as an electric meter and panel. This is necessary because it is not practical to run dozens, or even hundreds, of different electrical lines directly into the main circuit. It also helps by segmenting the power off in a. COPYRIGHT © 2026 INTERNATIONAL CODE COUNCIL, INC.



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Feeder size is based on the amperage of the main circuit breaker inside the manufactured dwelling's main distribution panel.

NEC Requirements for Panelboards and Load Centers

In case of damp or wet locations, there be at least a 6 mm (1/4 inches) air space between the wall and a surface mounted enclosure to account the moisture and prevent the rusting and damaging of ...

Working Clearances, based on the 2020 NEC

And though this aspect is not covered by the NEC [90.1], good engineering requires consideration of what additional distance would improve efficiency for operation or maintenance.

NEC + OSHA Electrical Panel Clearance Requirements

Unfortunately, it is often difficult for people to remember exactly how much distance from a panel things can be. Even if they know how much room in inches is required, they may not be able ...

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Electrical Panel Clearance Distance FAQs

There is not a standard electrical code requirement that gives the minimum clearance distance between an electrical panel and a plumbing fixture, but you can figure a minimum distance from plumbing to ...

Electrical Panel Locations

NEC 110.26 requires electrical equipment (including electrical panels) to be located to provide required working clearances about the equipment. Electrical equipment must have a ...

OSHA Electrical Panel Clearance Requirements: Guide

Visual guides can illustrate the necessary distances and help ensure that all employees are aware of the proper clearance specifications, thus promoting compliance and workplace safety.

Electrical Panel Clearances | Requirements Explained!

Keeping the panel clear of debris and obstructions is crucial to ensuring the safety of your electrical system. It protects overloading circuits and serves as a central hub where all the wires from your ...

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