

Distance between electrical appliances and distribution box

Overview

The National Electrical Code (NEC) outlines specific requirements, generally recommending that outlets in living areas should not be spaced more than 12 feet apart. This ensures that you have easy access to power without relying on extension cords, reducing the risk of electrical. Electrical clearances set the minimum safe distances for panels, overhead lines, pools, and buried wiring — and ignoring them has real consequences. This article reviews (2) when the electrical equipment is 1000 V or more. Minimum clearances in front of electrical equipment (600 V (now 10000 V) or. For the safe operation and maintenance of equipment, access to and egress from working space must exist around all electrical equipment [110. The panel should also have space for efficient.



Article Content

Jun 28, 2026

NEC Article 110.34: Electrical Room "Basics"

Minimum clearances are established for work spaces in front of high voltage - electrical equipment such as switchboards, control panels, switches, circuit breakers, switchgear and motor controllers. These ...

May 26, 2026

Working Clearances, based on the 2020 NEC

It is unacceptable to be subjected to additional dangers by working around bicycles, boxes, crates, appliances, and other impediments. Don't work in such an area until these items are removed.

Aug 07, 2025

Electrical Clearances: Requirements and Safe Distances

Every electrical panel, breaker box, meter base, and service disconnect needs a clear working zone in front of it so that someone can safely operate the equipment or respond to an ...

Apr 04, 2026

What Are the Electrical Code Rules for Kitchen Outlet Spacing?

Understand the legal requirements for kitchen outlet spacing to ensure safety, pass inspection, and meet modern electrical codes.

Aug 04, 2025

Electrical Outlet Spacing Code: Understanding ...

According to the NEC, the maximum distance between outlets should not exceed 12 feet along walls. This rule helps maintain convenient access to ...

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Electrical Outlet Spacing Code: Understanding Regulations for Safe ...

According to the NEC, the maximum distance between outlets should not exceed 12 feet along walls. This rule helps maintain convenient access to electrical power in living areas and ...

Nov 28, 2025

Electrical Wire Clearance Distances

Just choose an electrical box extender that brings your receptacles far enough forward to suit the thickness of the kitchen backsplash or tile. Watch out: don't try a makeshift substitute using washers ...

Sep 28, 2025

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 ...

Oct 28, 2025

Residential Electrical Code Requirements

Most Pros follow the industry standard for common residential measurements, even when not required by electrical codes: Standard wall receptacle height is 1 foot from the top of the flooring ...

May 19, 2026

Your Guide To NEC Electrical Panel Clearance Requirements

In some older buildings, people opt to install the panel too close to the walls or other electrical equipment due to a lack of space. The solution here is to reconfigure the space by ...

Aug 20, 2025

Safe Clearances for Electrical Equipment: Working Space and ...

Side clearance: There should be a minimum of 30 inches of clearance from the sides of all electrical equipment, but in no case less than the width of the equipment itself. This is referred to as the side-to ...

Contact Us

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