

The equipment is 3 meters away from the power distribution box



Overview

The National Electrical Code specifies three dimensions—depth, width, and height—that must be maintained as clear working space in front of the electrical panel. Dedicated space: The space equal to the width and depth of electrical equipment in addition to the space extending from the floor to 6 feet above the equipment or structural ceiling. The International Standards of Practice for Inspecting Commercial Properties (ComSOP) states that the inspector. For high-voltage powerlines, the distance is 3 metres (10 feet) or more, depending on the voltage (Figure 1). However, some high-voltage lines can look like low-voltage lines and can be located below low-voltage lines on a pole. The sag is the vertical distance between the wire's highest and lowest point. 70m Power lines with voltages ranging from 33kV to. The NEC, published by the National Fire Protection Association, is the baseline safety standard for electrical installations across all 50 states, though local jurisdictions often adopt it with modifications.



Article Content

Sep 29, 2025

Guideline for Working near Overhead Electrical Powerlines and

Workers must keep a safe distance of at least 1 metre (3.3 feet) from low-voltage powerlines to be protected from exposure to electrical shock or arc flash burn.

Mar 09, 2026

Essential Powerline Safe Distance Guidelines for

Introduction Powerline safe distance refers to the minimum distance that individuals, machinery, and structures should maintain from overhead power lines to ensure

Jul 07, 2025

Technical Guidance Note 287

In the event of occurrences such as a cable strike, coming into contact with an overhead line conductor or identifying any hazards or problems with National Grid's equipment, phone our emergency number

Mar 21, 2026

Safe Working Distance from Overhead Electrical Power

Safe Working Distance from Overhead Power Lines Safe Working Distance from Overhead Lines Safe Working Distance is the space maintained

Nov 28, 2025

Powerline Safety

Should you ever find yourself in a situation where your equipment has made contact with a power line, remain calm. If you make one wrong move, a serious injury or fatality is likely to occur.

May 20, 2026

How Much Clearance Is Required Around an Electrical Panel?

These requirements apply to any equipment that may require examination, adjustment, servicing, or maintenance while energized. For a typical residential panel operating at 120/240 volts, the required

Apr 25, 2026

Safe distance between buildings and power lines

For obvious reasons of safety and grid maintenance, there must be a minimum distance between any building (or other structure) and the power system

Mar 09, 2026

When working near power lines, know the three keys of

WorkSafeBC's "Plan for 10" messaging refers to planning to stay a minimum of 10 feet (three metres) away from high-voltage lines, including

Jun 12, 2026

How to confirm whether the installation location of the

If the electrical power distribution box needs to be installed in a humid area, a box that meets the protection level (IP level) requirements must be

Feb 11, 2026

Electrical Clearances: Requirements and Safe Distances

For homeowners, the practical takeaway is straightforward: if you're installing a satellite dish, running low-voltage landscape lighting, or mounting a security camera near your service

Dec 28, 2025

NEC Working Clearance Requirements: A Visual Guide

Per NEC 110.26 (D), all working spaces must have a minimum Electrical equipment headroom of 2.0 m (6 ft 6 in), measured from the floor or platform to the ceiling or

Jun 09, 2026

Safe Working Distance from Overhead Electrical Power Lines

According to OSHA standards, equipment must be kept at least 10 feet away from power lines with voltages up to 50kV. For

Mar 18, 2026

Created July 2017 Power Line Distance Fact Sheet

The placement of equipment such as ladders, scaffold, booms, forklifts, aerial lifts, sets, cranes or other rigging, or any activity where any part of an employee's body will come closer than the minimum

Jun 29, 2025

Installation requirements for distribution boxes

Installation of closed or explosion-proof electrical facilities; distribution box electrical components, meters, switches and lines should be arranged neatly, firmly installed, easy to operate.

Nov 15, 2025

Final OSHA Rule on Cranes & Derricks in Construction Power Line

Power lines are presumed to be uninsulated unless the utility owner/operator or a qualified, registered engineer confirms that a line is insulated. The limitations of an insulating link/device, proximity alarm

Apr 28, 2026

Staying safe around overhead lines

Overhead distribution lines are strung along power poles. They have up to four wires and can have multiple sets. The wires are usually located at or near the top of the

Mar 14, 2026

Safety 6 Rules Brochure English

At FPL, safety is a cornerstone of our commitment to our customers, our employees and those working in the community. While power lines help us run our lives and businesses, they can also be

Aug 11, 2025

Power Distribution Boxes Explained Simply

Discover the essentials of a Power Distribution Box—how it works, key types, benefits, and tips to ensure safe, efficient electrical power management.

Oct 09, 2025

Working Clearances, based on the 2020 NEC

When working on electrical equipment in a passageway, be mindful of the potential for a fire alarm. If one occurs, you may need to secure equipment covers and

Mar 12, 2026

Safe Clearances for Electrical Equipment: Working

Front clearance: There should be a minimum of 3 feet of clearance at the front of all electrical equipment, including panelboards, switches, breakers,

Jun 18, 2026

Requirements And Specifications For Installation Of

In flammable and explosive environments, explosion-proof distribution boxes should be selected and explosion-proof treatment should be carried out.

May 21, 2026

Safety requirements of distribution box

The distribution box shall be installed in the area where the electric equipment is relatively concentrated. 4. The power switch installed in the distribution box and

Oct 14, 2025

What is the OSHA 10 Foot Rule?

What is the OSHA 10 Foot Rule? The OSHA 10-Foot Rule mandates that workers, tools, and equipment must stay at least 10 feet away from overhead power lines carrying up to 50 kV

Nov 15, 2025

Yard work: 5 ways to stay safe near power lines | Hydro-Québec

The 3-metre rule: Always stay at least 3 metres away from power lines Any time you're less than 3 metres from a power line, you're putting yourself in danger. You could get a serious or even fatal

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