

# Mobile power box ground clearance requirements





## Overview

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What are the electrical code requirements for junction boxes?

Learn key electrical code requirements for junction boxes, including sizing, grounding, materials, and clearance to ensure safety and efficiency. Electrical safety is non-negotiable, and the National Electrical Code (NEC) sets the gold standard for safe installations in the U.S.

How much free space do electrical boxes need?

The National Electrical Code provision 110.26 clarifies that electrical boxes must be supplied with at least 3 feet of free space surrounding them for safety measures.

How much clearance do you need for electrical equipment?

Front clearance: There should be a minimum of 3 feet of clearance at the front of all electrical equipment, including panelboards, switches, breakers, starters, transformers, etc. Note that all panel doors and access doors must be able to open a minimum of 90 degrees.

What is electrical clearance?

The term “clearance” is commonly used throughout design and construction circles to refer to free space around electrical equipment. However, it is important to understand that “clearance” is comprised of three separate and distinct components - working space, dedicated equipment space, and manufacturer-required clearance.



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NEC Electrical Codes for Junction Boxes [December 2025]

Jul 4, 2025 · Stay NEC-compliant! Learn key electrical code requirements for junction boxes, including sizing, grounding, materials, and clearance to ensure safety and efficiency.

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National Electrical Code (NEC) Requirements ...

2 days ago · The National Electrical Code (NEC) provides comprehensive safety standards for electrical installations, including requirements for ...

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Electrical Equipment Working Space Requirements

Mar 14, 2025 · The depth of the working space must be clear to the floor. For equipment rated above 600 volts, the width of the working space must be the width of the equipment or 3 feet, ...

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How Close Can You Put Yard Fence To Power ...

Aug 1, 2025 · Can you put a yard fence near a power box? Generally, yes, but you must maintain specific safe distances to comply with regulations ...

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

Terms You Should Know: Working space: The front clearance, side clearance, and height clearance requirements for electrical equipment that provide a safe area for maintenance, ...

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National Electrical Code (NEC) Requirements for Panelboards

2 days ago · The National Electrical Code (NEC) provides comprehensive safety standards for electrical installations, including requirements for electrical panels (main service panels and ...

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Electrical Code Rules for Portable & Temporary Electrical ...

Mar 21, 2024 · Listed double insulated equipment is permitted. 525.23 Ground-Fault Circuit-Interrupter Protection. In addition to the 210.8(B) requirements, GFCI protection shall be ...

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How Close Can You Put Yard Fence To Power Box Guide

Aug 1, 2025 · Can you put a yard fence near a power box? Generally, yes, but you must maintain specific safe distances to comply with regulations and ensure safety. This guide will help you ...

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Electrical Panel Mounting Requirements (Dictated by the NEC)

Jan 4, 2025 · In the same vein, the height of the electrical panel must not be more than six feet seven inches from the ground. The panel door must also be capable of opening to a full 90 ...

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Electrical Panel Mounting Requirements ...

Jan 4, 2025 · In the same vein, the height of the electrical panel must not be more than six feet seven inches from the ground. The panel door must ...

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### Ground Transformer Box Installation Best Practices , CANWIN

May 6, 2024 · Proper installation of ground transformer boxes ensures an uninterrupted power supply, minimizes the risk of electrical accidents, and facilitates effective maintenance. By ...

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### NEC Essentials for Architects

Sep 13, 2021 · Equipment "Clearances" The term "clearance" is commonly used throughout design and construction circles to refer to free space around electrical equipment. However, it ...

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### NEC Essentials for Architects

This third installment of the NEC Essentials for Architects Equipment "Clearances" WORKING SPACE FOR TRANSFORMERS SHARING WORKING SPACE Dedicated Equipment Space Manufacturer-Required Clearances Panelboards Behind Door Swings The term "clearance" is commonly used throughout design and construction circles to refer to free space around electrical equipment. However, it is important to understand that "clearance" is comprised of three separate and distinct components - working space, dedicated equipment space, and manufacturer-required clearance. See more on schnackel Missing: power box Must include: power box Certified Commercial Property Inspectors Association Safe Clearances for Electrical Equipment: ... Terms You Should Know: Working space: The front clearance, side clearance, and height clearance requirements for electrical equipment ...

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### 051122

Wall Vertical Clearance Figure 2 Clearances for Pad-Mounted or Subsurface Equipment (see Note 2.C) D. Railroad or streetcar track clearance: 6-foot minimum clearance is required from ...

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