Albanian Standards for the Location of Electrical Distribution Boxes



Overview

Albanian Distribution Functioning Code (Distribution Code) is part of secondary legislation established under the Law No. 9072, dated 22.05.2003 “On Power Sector “(PSL).

Key Takeaways

The placement of electrical distribution boxes in Albania is governed by the Distribution Code and national standards, emphasizing safety, accessibility, and compliance with technical regulations.

Regulatory Framework

In Albania, the Distribution Code establishes the technical rules for planning, operating, and connecting to the electricity distribution network. It is mandatory for distribution companies and users, ensuring reliable, safe, and economic operation of the network (Draft Albanian Distribution Code). The Code specifies general technical requirements for the connection of users, which includes the installation and location of distribution boxes.

The General Directorate of Standardization (DPS) is the national body responsible for developing and publishing standards in Albania, including electrical installations.

DP

S aligns national standards with European and international norms, such as IEC and CENELEC standards, which cover the design, installation, and positioning of electrical distribution equipment.

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Key Considerations for Distribution Box Placement

Accessibility: Distribution boxes must be easily accessible for maintenance and emergency interventions. They should not be obstructed by buildings, fences, or vegetation. Safety Distances: Boxes should maintain safe distances from residential buildings, roads, and pedestrian areas to prevent electrical hazards.

While the exact distances are defined in technical standards, European norms (IEC 60364 series) are typically referenced in Albania. Height and Mounting: Outdoor boxes are usually mounted at a height that prevents unauthorized access, typically above 0. 5 meters from the ground, and secured with locks.

Indoor boxes should be installed at a height convenient for operation and inspection. Environmental Protection: Boxes must be protected from water, dust, and mechanical damage, often requiring IP-rated enclosures suitable for outdoor or indoor conditions. Grounding and Earthing: Proper grounding is mandatory to ensure safety and compliance with the Distribution Code.

This includes connecting the box to the building's or site's earthing system. Seismic and Structural Considerations: In areas prone to seismic activity, boxes should be anchored according to European seismic standards, which are adopted in Albania through DPS guidelines.

Compliance and Reference Standards

Draft Albanian Distribution Code: Provides the legal and technical framework for distribution network connections and equipment placement.

DP

S Standards: National standards for electrical installations, aligned with IEC, CENELEC, and ISO norms, guide the design and location of distribution boxes. European Norms: IEC 60364 series and EN 61439 standards are commonly referenced for electrical distribution equipment, including safety distances, enclosure ratings, and installation practices.

Practical Implications

For engineers, contractors, or property owners in Albania, compliance with the Distribution Code and DPS standards ensures that distribution boxes are installed safely, accessible for maintenance, and legally compliant. Coordination with the local licensed distribution company is also required before installation, as they may impose additional site-specific requirements. In summary, while Albania does not publish a single prescriptive distance for all distribution boxes, the combination of the Distribution Code, DPS standards, and European norms provides a comprehensive framework for safe and compliant placement.

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Article Content

Draft Albanian Distribution Code

Albanian Distribution Functioning Code (Distribution Code) is part of secondary legislation established under the Law No. 9072, dated 22.05.2003 “On Power Sector “(PSL).

Distribution Code revision

Distribution Code is a set of rules, norms, procedures and technical requirements to administrators and users of distribution network that establish their relations based on this Distribution Code.

Use of electrical distribution boxes on construction sites in Albania ...

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Operatori i Sistemit Te Transmetimit – OST

Albania''s electricity transmission system consists of lines with a voltage level of 110 kV, 150 kV, 220 kV and 400 kV, the respective substations at these voltage levels, and all equipment, the functions of

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Elbndertuesi

Electrical engineering services to Albanian clients in the high-voltage electrical power systems industries, major utilities, Distribution Network Operators (DNOs), heavy industrial users and

Present status of Eurocodes in Albania

According to Albanian legislation in the field of construction, the design of structures still must follow the KTPs –Albanian Technical Codes (1978). Therefore, Eurocodes are National Standards that can be

Industrial and commercial standards in Albania

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Find out about the national standards and certification bodies in Albania. Consult the online catalogue of standards and their classification.

Summary of key points for construction and installation of distribution ...

The construction and installation points of distribution boxes and switch boxes are summarized as follows: 1. Select qualified products that meet national standards and safety requirements.

Draft Albanian Distribution Code

Establishment of responsibilities and obligations for the Distribution Company(s) and for all the Users of the Electricity Distribution Networks; Specification of the performance standard for the electricity

The installation requirements for the distribution box

A distribution box is the heart of any electrical system. It takes the incoming power and safely distributes it to different circuits throughout your building. Whether in a home or an industrial

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

REGULATION ON NEW CONNECTIONS IN THE DISTRIBUTION

In case the electricity cabin, as an immovable property, is constructed by the Applicant inside the building area which is to be supplied with electricity, the Distribution System Operator (DSO) shall

Design requirements and standards for low voltage distribution boxes

You must make safety your top priority when working with low voltage distribution boxes. Design requirements help you follow important standards like NEC and IEC, which protect you from

International-electrical-standards-regulations

The world of electrical installations is not always straightforward. Working on an international project electrical engineers are often bewildered by the extensive amount of electrical standards and wiring

How to confirm whether the installation location of the electrical ...

The electrical distribution box plays a vital role in the power system. It is responsible for distributing electricity to various circuits and equipment. Ensuring that the installation location of the

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Draft Albanian Distribution Code

Approved by ERE s Board of Commissioners Decision.ELECTRICITY DISTRIBUTION FUNCTIONING CODE.Distribution Functioning Code.Albanian Distribution Functioning Code (Distribution Code) is

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