

Article Overview

A concealed electricity meter distribution box is a flush-mounted or hidden cabinet that safely houses meters, circuit breakers, and electrical components while maintaining a clean, aesthetic wall appearance.

Overview

A concealed distribution box is designed to manage electrical circuits securely and efficiently while being integrated into walls or furniture to remain unobtrusive. These boxes are commonly used in homes, offices, commercial buildings, and solar installations to combine safety, functionality, and interior aesthetics .

Key Features

- o **Material and Construction:** Typically made from powder-coated steel or flame-retardant plastic for durability, corrosion resistance, and fire safety . Some decorative covers use PS frames with crystal or canvas panels for aesthetic integration .
- o **Flush-Mount Design:** Concealed boxes are embedded into walls, providing a tamper-free, sleek finish that blends with interior decor .
- o **Access and Security:** Equipped with lockable or push-latch doors, concealed hinges, and reliable locking systems to prevent unauthorized access .
- o **Compatibility:** Standardized to fit DIN rails and most local or international circuit breakers, including MCBs and RCDs .
- o **Ingress Protection (IP) Rating:** IP40 for dry indoor areas, IP54/IP65 for damp or outdoor environments, ensuring protection against dust and moisture .
- o **Customization:** Sizes, layouts, and materials can be tailored to project requirements, including options for TT/TV compartments or additional electrical components .

Decorative Options

For interior design purposes, decorative covers are available that transform the meter box into a stylish element. These covers may feature:

- o Push-pull or sliding mechanisms for easy access without removing the frame .
- o High-definition printed canvas or crystal panels to match room aesthetics .
- o Multi-purpose use in living rooms, kitchens, offices, or commercial spaces while concealing the electrical panel .

Applications

Concealed Electricity Meter Distribution Box

- o Residential homes for safe and aesthetic meter housing.
- o Commercial buildings and offices for organized circuit management.
- o Solar power systems and hybrid energy setups for protection of inverters and surge devices .
- o Industrial or utility installations requiring customized, secure, and IP-rated enclosures .

Selection Tips

When choosing a concealed distribution box, consider:

- o Compliance and Certification: UL, CE, or CQC marks depending on your region .
 - o Size and Capacity: Ensure enough space for all breakers and wiring.
 - o Material and IP Rating: Match the environment and durability needs.
 - o Supplier Reliability: Prefer manufacturers with proven track records and positive buyer feedback .
 - o Integration Ease: Look for pre-installed mounting plates and standard DIN rails to reduce installation time .
- Concealed electricity meter distribution boxes provide a safe, organized, and visually appealing solution for modern electrical installations, combining technical compliance with interior design flexibility.

An electrical meter box is a protective enclosure that houses an electricity meter and related components. It shields the

I've planted herbs and flowers in a box that cleverly hides the electric meter.

Semi-concealed meter boxes are similar to recessed boxes, but the door is hidden completely behind a decorative panel. The type of

An electricity meter box provides a secure waterproof container for your electrical equipment. There are different styles of meter

Sintex SMC Meter Boxes are durable, weatherproof, and shockproof with concealed metal hinges and

Meter box decorative painting introduction video Our meter box decorative painting can perfectly replace

Safely conceal ugly utility boxes and meters. Expert tips on structural screens, landscaping, and ensuring mandatory access and

The experts at NICEIC provide more detail on the installation of equipment in meter boxes. Electrical equipment



Concealed Electricity Meter Distribution Box

TopCabinet supports full OEM and ODM development for electrical meter box enclosures, including

Meter and distributor cabinets Whether as a house junction box, for switchgear or for energy distribution. Our meter and distributor

It is not compatible for dimension of electric meter above 23.5X16.5x1.3 CM. Check the meter dimension before ordering this

Concealed Distribution Box Market Overview 2026-2034 The Concealed Distribution Box Market represents a

Mural or Picture Covering: Decorate the front of the distribution box with a mural or picture to easily hide it. The painting can be

Discover how to conceal unsightly electrical boxes while strictly maintaining safety codes, access, and required

Engineered for modern electrical and solar installations, the Concealed Distribution Box 10×14 provides a

The concealed conduit wiring system is a method of electrical installation where the cables are concealed within the

Web: <https://www.millstraining.co.za>

