



Huijue Terminal Box Instructions

Article Overview

The Huijue Terminal Box is designed for secure fiber or power connections, supporting wall or desktop mounting, with clear port management and protective features for indoor and outdoor use.

Overview

Huijue Terminal Boxes serve as central connection points for fiber optic or energy storage systems. They are used to terminate, splice, and distribute optical fibers in FTTH/FTTx networks or to manage power connections in energy storage systems. The boxes are typically made of durable ABS/PC material, offering IP65 waterproof protection, making them suitable for both indoor and outdoor installations ().

Installation

- o Mounting: The terminal box can be wall-mounted or placed on a desktop. Ensure the surface is stable and can support the box's weight.
- o Cable Entry: Identify the entry ports for incoming cables. For fiber boxes, these are usually 4 ports for drop cables; for power terminal boxes, follow the designated AC/DC input ports ().
- o Securing the Box: Use screws or brackets provided to secure the box firmly. Ensure the lid closes tightly to maintain waterproofing.

Fiber Optic Terminal Box Usage

- o Fiber Preparation: Strip the fiber jacket carefully and clean the fiber before splicing.
- o Splicing and Adapters: Insert fibers into SC or LC adapters and perform splicing as required. Use the internal trays to organize fibers neatly.
- o Port Management: Each port is labeled for easy identification. Ensure fibers are routed without sharp bends to prevent signal loss ().
- o Closure: After connections, close the box securely to protect fibers from dust, moisture, and mechanical damage.

Energy Storage Terminal Box Usage

- o Power Connection: Connect AC or DC lines to the designated terminals. Ensure correct polarity and secure connections to prevent overheating or failure ().
- o Monitoring: Some Huijue boxes integrate BMS or EMS systems for real-time monitoring of voltage, current, and temperature.
- o Maintenance: Periodically inspect terminals for corrosion, loose connections, or damage. Clean contacts and tighten screws as needed to maintain reliability.

Safety and Best Practices



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- o Always turn off power before connecting or disconnecting cables.
- o Avoid bending fibers beyond the recommended radius to prevent breakage.
- o Ensure the box is sealed properly to maintain IP65 protection.
- o Follow manufacturer guidelines for maximum port capacity and load limits. By following these instructions, the Huijue Terminal Box can provide reliable, organized, and safe connections for both fiber optic networks and energy storage systems, ensuring long-term performance and protection against environmental factors ().

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Fiber termination box (shortened as FTB or OTB), is mainly used for the terminal fixing, the protection of the



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splice joint between the

FQG66 FQG6x_terminal9 WARNING During exchange of terminal box you may be exposed to ionizing radiation.

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Founded in 2002, Huijue Group is a leading Energy Storage Equipment Manufacturers, a high-tech service

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