



SolarTech Power Solutions

Indoor connection to outdoor power supply



Overview

Use outdoor and waterproof connection cable rated more than 300V for the connection between indoor and outdoor unit. (For example, Type SJO-WA) How do you bring power outside?

One way to bring power outdoors is with back-to-back receptacles. Shut off power, pull out an indoor receptacle, and drill a locator hole through the wall to the outside. Was this page helpful?

How do I switch from indoor to outdoor wiring?

To make the transition from indoor to outdoor wiring, use an LB fitting. Essentially a watertight pulling elbow, it is ideal for connecting to conduit. One way to bring power outdoors is with back-to-back receptacles. Shut off power, pull out an indoor receptacle, and drill a locator hole through the wall to the outside.

Why do you need a wiring diagram for indoor units?

Wiring errors or improper connections can lead to malfunctions or even damage to the system. Overall, the wiring diagram for indoor units in a VRF system serves as a guide for HVAC technicians during the installation process. It helps them understand the electrical connections and ensure that the system is wired correctly.

Is a small power supply safe?

There is a standard, which is in the wiring rules. It is dependent on the brand you buy as some require a separate power supply regardless of the size of the unit. Some installers will wire it how they see fit, usually whatever is easier if its a small unit. Doesn't mean it is unsafe, just not totally in line with the Standard.

Do I need a separate power supply?

If they do, be sure to foot the bill for a couple of extra cable runs, so the exercise won't need to be repeated! There is a standard, which is in the wiring rules. It is dependent on the brand you buy as some require a separate power supply regardless of the size of the unit.

How do I install an outdoor receptacle?

Connect the power source. Install an in-use cover, which protects the receptacle from moisture even when a cord is plugged in. Editor's Tip: Once you have installed an outdoor receptacle with extension ring, you can run cable for lights or additional receptacles. To make the transition from indoor to outdoor wiring, use an LB fitting.

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