

Title: The tap on the photovoltaic panel

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What is a supply side tap?

First,when we say "supply side," we are talking about the supply side of the main overcurrent device,sometimes referred to as a line side tap,even though they are technically supply-side connections. Trying to use that language consistently is important,and now the Code has given us some very good rules on how to make these connections.

What is a line side tap?

The line side tap the simplest way of interconnection when installing a PV system that exceeds the 120% rule. (The 120% Rule - "What is it and why it is important?") When installing a supply side tap,you are physically connecting to a conductor or busbar. Below are some of the most common methods that are employed in performing a tap.

Can a PV system connect to a panelboard?

NEC 705.12 (A) also permits a load-side connection to be made via a feeder tap. This allows the PV system to connect to the feeder conductors that supply a panelboard,provided the connection complies with the tap rules in NEC 240.21 (B). Regardless of the connection method,several safety systems are mandatory for any grid-tied PV installation.

What is a load side tap?

Load side taps are common for residential systems and smaller commercial systems. When designing your solar system,the provider must consider the 120% rule. This rule was established by the National Electrical Code (NEC) to identify how much power can be safely back-fed through the load side of the existing electrical panel.

What Is a Line-Side Tap Interconnection? A line-side tap interconnection (LST) involves connecting a solar power system to the electrical grid by accessing the conductors prior to their entry ...

When it comes to solar interconnections, one phrase makes every designer pause -- "supply-side tap." It's a powerful solution that allows large PV systems to connect directly to the ...

This research presents an optimized control strategy for the coordinated operation of parallel grid connected photovoltaic (PV) plants and an On Load Tap Changer (OLTC) transformer. ...

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8 9 METALLIC CONDUIT SHALL BE USED WITHIN BUILDING PER NEC 690.31(G). 10 LABEL "DEDICATED PHOTOVOLTAIC SYSTEM COMBINER PANEL" AND "DO NOT ADD LOADS ...

Welcome to Code Corner from Mayfield renewables, today we're going to talk more about NEC 2020 section 705.11 (A) and (B), where you'll find the requirements for making PV connections ...

A supply side tap is a connection that is made to the busbars or conductors on the line or utility side of the main service disconnect. The line side tap the simplest way of interconnection when ...

A deep dive into NEC 705.12, explaining the rules for determining a code-compliant point of connection (POC) for a PV system on the load side of the service.

Yes, a solar PV system can be connected using supply side connections even if the panel lacks a main breaker. This involves installing a dedicated disconnect on the supply side of the ...

NEC Section 705.11 provides clarity and structure for supply-side PV system interconnections, especially relevant for commercial systems and space-limited panels.

Don't miss out on this comprehensive guide to line side tap vs load side tap. Learn the pros, cons and differences, and get professional advice now!

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