

Kongres Container

Can outdoor power supplies be short-circuited



Overview

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Can shorting one of these power supplies damage them?

I'd read the manual for sure, but I've never seen one that doesn't have a constant current mode (basically when shorted it will limit to a max current set by the current knob) and the voltage will drop to a very low number when this happens Nah.

We know that shorting the supply creates zero resistance path between the vdd and gnd. We also know that current will pass through the least resistance path and since there is a zero resistance path, all current will pass through that path based on Ohm's Law. It follows then (if I am not mistaken).

However, a short circuit is a condition in an electrical circuit where the electrical current flows through an unintended, shorter pathway instead of following the circuit. The long path for the energy to flow back to the ground is on the intended circuit. But when a shorter path is provided.

Understanding what a short circuit is and why it poses a significant danger is crucial for maintaining electrical safety in your home or business. A short circuit occurs when electric current takes an unintended path, causing excessive current flow that can lead to overheating and severe fire.

A short circuit occurs when electrical current flows through an unintended

path with little or no resistance, often causing excessive current flow, heat, and possible damage. In this article, we explore the short circuit meaning, common causes, real-life examples like battery short circuits and.

A short circuit is one of the most common and dangerous electrical issues that can occur in any electrical system. It happens when there is an unintended connection between two points with different potential values in an electrical circuit (ex, Live cable touches Neutral cable), which allows a.

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