

# **SURGING POWER**

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### **Four Reasons We Experience Power Surges and How to Protect Ourselves | Holzmacher Electric**

In general a surge is a transient wave of current, voltage or power in an electric circuit. In power systems in particular - and this is likely the most common context .

### **What is a Power Surge? - Platinum Electricians**

Power surges - you probably know they can trigger a circuit breaker and shut off electricals, but do you know what causes them, or how they can potentially.

### **What is a power surge? - Sunpower UK**

Power surges occur when something boosts the electrical charge at some point in the power lines. This causes an increase in the electrical potential energy.

### **PowerHouse : Power surges - cause & effect**

Power surges occur when the flow of electricity is interrupted, then started again, or when something sends electricity flowing back into the system. Surges can.

### **Suppressing the Surge | This Old House**

A power surge is an abnormally high voltage lasting for a short period of time. [Click here](#) for more information.

Prevent power surges from zapping your electronics and protect your property from electrical hazards by following these tips from State Farm.

Unsurprisingly, for such a disastrous process, it is wise to use some form of surge protection, so as to mitigate the risks that power surges can cause.

Related books: [Improving Inventory Control in the Oil and Gas Industry](#), [Lunchable Short Stories \(5 complete short stories\)](#), [The Commune of London](#), [IdeaWise: How to Transform Your Ideas into Tomorrows Innovations](#), [Latino Food Culture \(Food Cultures in America\)](#), [Missing In Gods Country](#), [Acaricia meu sonho \(Portuguese Edition\)](#).

Large power surges, such as lightning, can instantly ruin your TV, computer and other electronics. Microprocessors which are an integral part of all surging power as well as many home appliances, are particularly sensitive to surges.

External power surges are generally caused by uncontrollable events, such as flickering lights surging power a common sign. When a tree limb or other obstruction comes into contact with a power line, a circuit breaker automatically trips to prevent power from surging back surging power the system and causing an outage. And if the power surge is created by a lightning strike or power fluctuation on the utility lines, the service entrance surge protection device can reduce the power surge to a lower level before it gets to the point-of-use surge protection device.

Look for a protector that is at least rated at 10 joules. A surge can range from five to ten volts when a hair dryer is turned on or several thousand volts when a lightning strikes a transformer.