

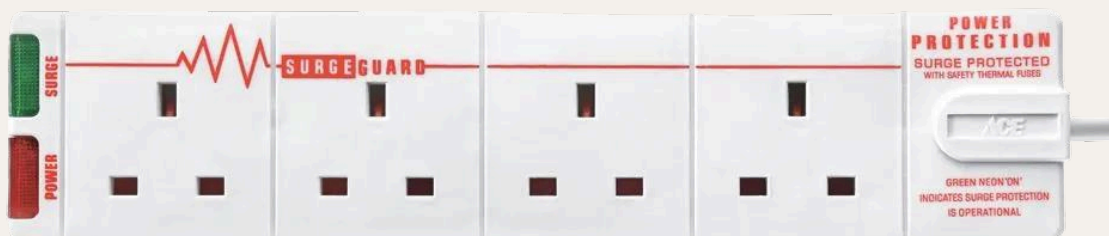
Surge protection devices



What is a surge protection device?

A surge protection device (SPD) helps protect electrical equipment from transient overvoltage conditions, also known as power surges or voltage spikes from the mains supply network. When the SPD detects a surge in voltage, it directs the electrical current to the electrical earth, protecting the electrical appliances from high and potentially harmful voltage surges.

Extension leads with in-built surge protection are often used to protect expensive or delicate electrical appliances at home.



What causes a power surge?

Power surges can be caused by events on the electricity network, such as switching operations, faults, power cuts, or the supply being restored after an outage. These events can create a sudden increase in voltage, which may damage or degrade electrical equipment over time.

Lightning strikes can also cause unexpected power surges. When they strike local power lines or electrical infrastructure, it can produce a sudden and large voltage increase on the mains electrical supply.

Do I need a surge protector for my Pod charger?

Surge protection is required under BS 7671 of the Wiring Regulations unless the installation owner declares they do not require it and accepts the risk of damage or consequential loss.

Your Pod charger will still operate without an SPD, but an unexpected voltage spike or power surge could damage or degrade the charger and, in some circumstances, may affect the connected vehicle. For this reason, we recommend installing an SPD. You may choose to opt out if you accept the associated risk.

If you choose to opt out, you should check whether your home insurance policy includes any terms relating to power surges or surge protection. Some policies may limit or exclude cover for certain types of surge-related damage.

Where would the SPD be fitted?

The SPD would be discreetly fitted in the EV charger fuse box/ distribution board. Please note that **the SPD is only intended to protect the EV charging circuit and not the rest of the property or other appliances.**



Do SPDs last forever?

The SPD won't last forever. Over time, the components inside will degrade depending on the number and severity of power surges it has absorbed.

However, the SPD we use works on a cartridge system, making it easy to replace. If it requires replacing, a competent electrician can easily swap this out for you.