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(54) **SURGE PROTECTION DEVICE**

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(57)

ABSTRACT

Disclosed is a surge protection device, including a power input port connecting a voltage source, a power output port connecting a load, a switching element connecting the power input port, a voltage measurement circuit connecting the power input port, a processing circuit, and a switch control circuit. The voltage measurement circuit generates a voltage measurement signal based on an input voltage signal of the voltage source. When the processing circuit determines that the input voltage signal is in a normal state based on the voltage measurement signal, it controls the switching element to be turned on, to make the voltage source supply power to the load. The switch control circuit compares the voltage measurement signal with a voltage threshold, to control the switching element to be turned off when it determines that the input voltage signal is in a surge state, so that the power output port is powered off.

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