

# Can a diode in series with a photovoltaic panel reduce voltage

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Bypass diodes are a standard addition to any crystalline PV module. The bypass diodes" function is to eliminate the hot-spot phenomena which can damage PV cells and even cause fire if the light hitting ...

A question that I get asked often is; do solar panels need blocking or bypass diodes? In this article I answer both of these questions with examples.

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This use of bypass diodes in solar panels allows a series (called a string) of connected cells or panels to continue supplying power at a reduced voltage rather than no power at all.

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