Qualified rate of photovoltaic panel hidden crack detection

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Since a certain degree of cracks will lead to hot spot effect, efficient far-infrared thermal imaging technology can be used in the detection of cracks.

In conclusion,the application of convolutional neural networks (CNNs) has significantly improvedthe accuracy and efficiency of crack detection in PV modules and solar cells.

It has become evident from this review that the transition from conventional methods to CNN"s deep learning algorithm has done much to increase the rates of crack detection in PV ...

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This research provides a theoretical foundation and practical application prospects for intelligent diagnosis and maintenance of PV modules with hidden cracks, contributing to enhanced ...

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