

## Solar Energy South Africa

# Photovoltaic panel defect classification



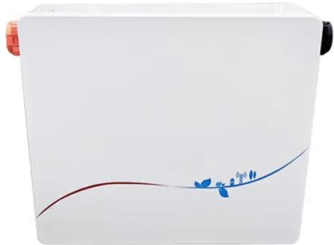
## Overview

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This repository provides a dataset of solar cell images extracted from high-resolution electroluminescence images of photovoltaic modules.

## Photovoltaic panel defect classification

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### Feature Extraction and Classification of Photovoltaic

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Conventional CNN methods like VGG-16, ResNet-50 and MobileNet models provide better accuracies in PV panel defect classification [23,24]. The PV panel faults are identified electrically too. The fuzzy logic ...

### Detection of PV Solar Panel Surface Defects using Transfer Learning ...

The need for automatic defect inspection of solar panels becomes more vital with higher demands of producing and installing new solar energy systems worldwide. Deep convolutional neural ...



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