

This paper addresses the significant challenges in panel segmentation, particularly the scarcity of annotated data and the labour-intensive nature of manual annotation for supervised ...

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We established a PV dataset using satellite and aerial images with spatial resolutions of 0.8, 0.3, and 0.1 m, which focus on concentrated PVs, distributed ground PVs, and fine-grained ...

Photovoltaic Panel (PVP) Dataset was publicly available in paper &quot;PVNet: A novel semantic segmentation model for extracting high-quality photovoltaic panels in large-scale systems from high ...

This study focuses on a framework for augmenting large-scale ultra-high-resolution segmentation datasets for PV panels in PV power plants. This section primarily discusses the ...

The dataset contains 3716 samples of PVs installed on shrubland, grassland, cropland, saline-alkali land, and water surfaces, as well as flat ...

This repository leverages the distributed solar photovoltaic array location and extent dataset for remote sensing object identification to train a segmentation model which identifies the locations of solar ...

A photovoltaic (PV) dataset from satellite and aerial imagery. The dataset includes three groups of PV samples collected at the spatial resolution of 0.8m, 0.3m and 0.1m, namely PV08 from ...

Multi-resolution dataset for photovoltaic panel segmentation from satellite and aerial imagery - dataset-ninja/pv

The dataset contains 3716 samples of PVs installed on shrub land, grassland, cropland, saline-alkali land, and water surfaces, as well as flat concrete, steel tile, and brick roofs. The dataset ...

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