

# Geoscape Solar

## Taking the Guesswork out of Locating Solar Panels

### What is Geoscape Solar?

Geoscape Solar gives you access to photovoltaic solar panels around Australia, from the comfort and safety of your office. The dataset is captured via high-resolution aerial images, using artificial intelligence (AI) technology. The AI process identifies the type of solar panel installed – Monocrystalline, Polycrystalline or Thin-film. Our data also provides an estimation of the power generation potential of buildings' solar panels!

Geoscape Solar's information is aggregated at both a building and address level to support a range of uses, and comes as a full dataset, API or custom data solution. If you're assessing insurance claims, forecasting energy use, marketing solar panels, or developing government policy for the burgeoning renewables industry, Geoscape Solar can help.

### Why use Geoscape Solar?

- 1 Save time and reduce risk by **getting an exact measurement of the area of all the solar panels on a building.**
- 2 Our algorithm **estimates a solar panel's capacity** on an average day, in kilowatt hours, so you can understand a building's overall power generation capacity.
- 3 Geoscape Solar integrates directly with G-NAF to offer **insights at an address level as well.**
- 4 Our highly **accurate solar panel data is recaptured and updated** regularly so you'll know exactly when the solar data was recorded.
- 5 We provide location data across Australia's 7.6 million square kilometres. By working with the provider of national datasets, you can shape your solutions and make your data sourcing more efficient.
- 6 Geoscape Solar identifies **up to three types of solar polygons on a building** - Monocrystalline, Polycrystalline and Thin-film. Our data excludes anything that may be mistaken as a solar panel. **Precision is important to us.**
- 7 Learn about a **building's roof shape and roof material** to better understand the potential of solar panels on the buildings.

## Get Geoscape Solar

### Full dataset

To download our full dataset in various file formats (File Geodatabase, GeoJSON, ESRI Shapefile, MapInfoTAB) contact our sales team: [info@geoscape.com.au](mailto:info@geoscape.com.au)

### Solar API

Create an account in our **developer portal** and start with our Freemium offer. It's a great way to experience the quality of our Solar API on a 'Try before you buy basis.' Every Freemium customer gets 20,000 free credits that can be used for Solar APIs.

### Custom Data solution

Geoscape Solar can be made available as a custom data solution. For a more customised data offering, please contact our sales team: [info@geoscape.com.au](mailto:info@geoscape.com.au)



## Who We Help

### Insurers

Underwriters can see the solar panels, to better understand the associated risk and calculate a premium. Geoscape Solar offers an overview of solar panels in a particular area and hence big picture exposure to property insurance claims. Date stamped data can assist in countering fraud.

### Energy Analytics and Modelling for Energy Companies

Energy profiles vary across buildings. Geoscape Solar allows modelling of power consumption, so forecasting demand and usage is easier. Information around panel, address and roof area makes it possible to also calculate a building's potential to generate energy.

### Marketing Analytics

Targeted residential marketing campaigns to optimise customer acquisition is easier with Geoscape Solar to locate solar-free houses and pinpoint residents. Marketers can even use our data to find existing solar panel customers and offer solar panel upgrades or upsell companion products like inverters and batteries.

### Government

Our data can be used by governments developing renewable energy policy, measuring uptake, monitoring its impact and promoting the success of government initiatives. Geoscape Solar may also inform planning; helping governments who are developing models of commercial and residential buildings to understand energy consumption and generation, and the factors impacting these.

## Unlock the digital Australia with Geoscape