

European Solar and Energy Storage Solutions

Guernsey solargis.com



Overview

What is Solargis data?

Solargis data is available for past, present, and future periods and is updated in real time. We can meet your energy assessment needs from project conception to routine daily management. Our team has more than 20 years of experience in solar resource assessment and PV energy modeling.

How reliable is Solargis?

Our team has more than 20 years of experience in solar resource assessment and PV energy modeling. Multiple independent studies have confirmed Solargis to be the most reliable solar database. Quality of our data can be transparently verified at any location. Our methodologies are peer-reviewed and published.

What can Solargis do for You?

Discover Solargis' solutions for all stages of the solar power plant lifecycle. From site selection and yield simulation to designing, monitoring, and forecasting, our software and data ensure you get the right insights. Scan and compare tens or even hundreds of potential sites. Get an in-depth analysis of those with the highest solar potential.

What is Solargis based on?

SolarGIS is based on more than 10 years of R&D, international collaboration, and experience with previous projects, such as PVGIS. The system consists of high-resolution database of solar radiation and air temperature (which are operationally calculated for Europe, Africa, Asia and Brazil) and some other auxiliary parameters.

How does Solargis work?

SolarGIS offers historical averaged data, as well as time series for a selected time period and temporal resolution up to the recent history for any selected

location. A user can choose different periods and data parameters (global, direct diffuse, radiation, temperature, etc.) and time scales:

Why did we choose Solargis?

“We chose Solargis mainly because independent comparisons showed Solargis to be the most accurate irradiation database. We also performed comparisons with our own measurements and saw that claims of Solargis were indeed true”

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Community Solar , Guernsey Electricity

In 2023 Guernsey Electricity worked in conjunction with The Little Green Energy Company to install the vast community-scale solar array at Grow Limited's newly redeveloped headquarters. The 310 photovoltaic (PV) panels will produce 129-kilowatt peak power (kWp). That's enough electricity to supply power to approximately 35 homes.

Solar resource maps & GIS data for 200+ countries

You are free to download, share, adapt, use the maps but you must credit the source on the appropriate place as follows: Solar resource map © 2021 Solargis. We also request you to provide a backlink to <https://solargis.com> website ...

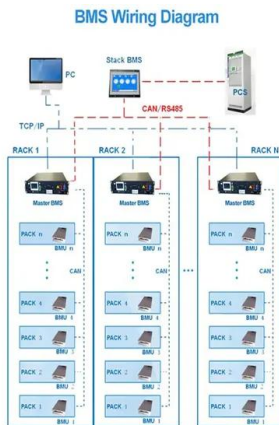


Services

The Site Adaptation of Solargis Models service will give you locally enhanced solar and meteo parameters, enabling you to reduce uncertainty of power plant design and energy yield simulations. Explore. Quality Control of Solar & Meteo Measurements.

SOLARGIS: SOLAR DATA AND ONLINE APPLICATIONS FOR ...

SolarGIS is a new generation web service () aimed to increase efficiency and reduce uncertainty in planning and performance assessment of PV systems. SolarGIS is based on more than 10 years of R& D, international collaboration, and experience with previous projects, such as PVGIS. The system consists of high-resolution database



Technology

At Solargis, we provide extensive and accurate weather information, with a specific focus on those developing or operating PV power plants. The site's solar and weather conditions have a direct impact on the performance throughout the entire lifecycle of a PV project--from site selection to design, financing, and power plant operations and maintenance.

Solargis News , Solargis Blog

This innovative Solargis Monthly Report enables portfolio managers and PV site operators to optimize operations and deliver clear insights to board members, senior management teams and C-suite decision makers about the performance of their PV projects.



Community Solar , Guernsey Electricity

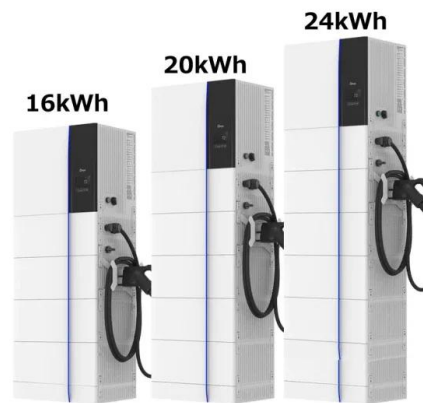
3 ???· In 2023 Guernsey Electricity worked in conjunction with The Little Green Energy Company to install the vast community-scale solar array at Grow Limited's newly redeveloped headquarters. The 310 photovoltaic (PV) panels

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SOLARGIS

Solargis helps solar industry to better manage weather-related risks. We provide reliable and accurate solar, meteorological and PV electricity simulation data that are used in the whole lifecycle of solar power plants, from development to operation.



Encuentre la ubicación adecuada para su proyecto ...

En Solargis, hemos apoyado una década de crecimiento en el sector solar, y seguimos apoyándolo en su transición hacia una nueva fase de desarrollo y explotación posterior a las subvenciones. Reducir el riesgo en este panorama ...



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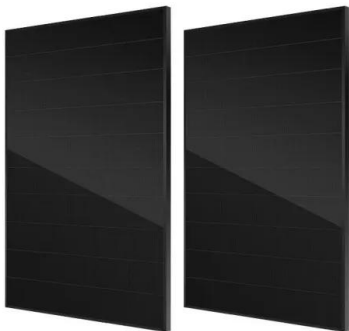


Solar resource maps & GIS data for 200+ countries , Solargis

We also request you to provide a backlink to <https://solargis> website when appropriate. Direct Normal Irradiation Medium Size. English PNG, 4.6 MB. Poster Map. English TIF, 123.6 MB. Global Horizontal Irradiation Medium Size. English PNG, 4.4 MB. Poster Map. English TIF, 115.6 MB. Photovoltaic Electricity Potential

Technology

Solargis' technology is based on scientific research applied and validated by the solar industry. Our expertise meets at the crossroads of three main fields: meteorology, engineering, and data science. Explore. Methodology. See how we transform scientific knowledge and results of our research into our technology.



Solar resource maps & GIS data for 200+ countries , Solargis

We also request you to provide a backlink to <https://solargis> website when appropriate. Direct Normal Irradiation Medium Size. English PNG, 1.7 MB. English PNG, 1.1 MB. Français PNG, 1.1 MB. Poster Map. English TIF, 26.2 MB. English TIF, 18.4 MB. Français TIF, 19.6 MB. Global Horizontal Irradiation Medium Size.

Global Photovoltaic Power Potential by Country

This dataset contains the GIS data used in the

report, "Global Photovoltaic Power Potential by Country" generated by Solargis (<https://solargis>), with funding provided by the Energy Sector Management Assistance Program (ESMAP). The study summarizes global solar resource and PV power potential on a country and regional basis.



Solar resource maps & GIS data for 200+ countries , Solargis

We also request you to provide a backlink to <https://solargis> website when appropriate. Direct Normal Irradiation Medium Size. English PNG, 2 MB. Poster Map. English TIF, 39.5 MB. Global Horizontal Irradiation Medium Size. English PNG, 2 MB. Poster Map. English TIF, 39.4 MB. Photovoltaic Electricity Potential Medium Size.

Solargis' Monthly Reports: A new service for PV performance ...

Solargis' Monthly Reports essentially transform data into a strategic and useful asset for our projects." Get in touch to find out more. Solargis' new Monthly Reports product assists portfolio managers and operators in assessing and reporting their energy yield and PV project performance. It provides detailed, accurate, and context-rich data



Data, software and services for solar projects , Solargis

Discover Solargis' solutions for all stages of the



solar power plant lifecycle. From site selection and yield simulation to designing, monitoring, and forecasting, our software and data ensure you get the right insights.

Customized GIS Data

Take Solargis GIS and array-oriented data and perform your own spatial analysis, develop your own algorithms, or simply add the data to your spatio-temporal data pool. You can use Solargis solar resource, PV, or climate raster data in GeoTIFF (for aggregated data) and NetCDF (for time series data) formats.



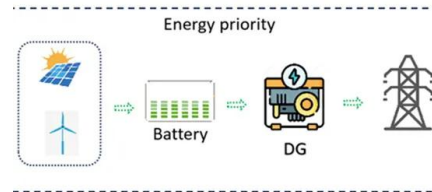
Solar resource maps & GIS data for 200+ countries , Solargis

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Estudio del potencial regional de energía solar , Solargis

Para identificar las regiones con mayor potencial solar, utilizamos datos de radiación solar modelados por Solargis, así como mediciones terrestres disponibles localmente. Analizamos la variabilidad a corto plazo y estacional de la producción de energía solar para ayudarle a

comprender cómo se ajusta a la demanda.



Solargis blog , Leading insights on solar energy

This innovative Solargis Monthly Report enables portfolio managers and PV site operators to optimize operations and deliver clear insights to board members, senior management teams and C-suite decision makers about the performance of their PV projects. Read More. Best practices.

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<https://ssab-proiect.eu>