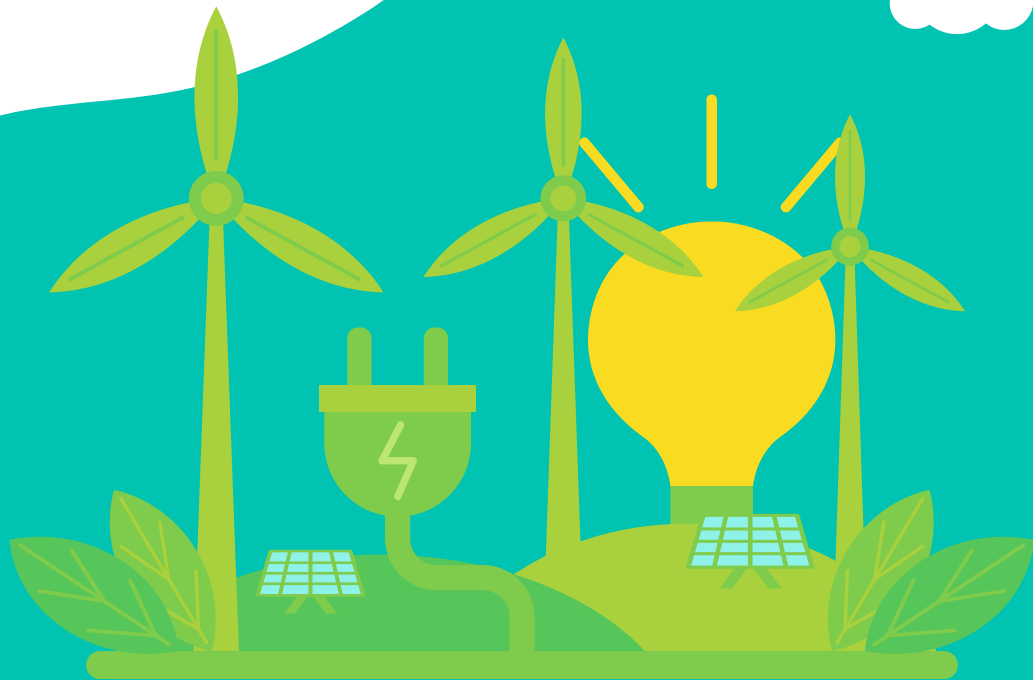


SolarSize User Guide

How to use the SolarSize application



Help While Using the Application

If you require help or additional information at anytime while using the application, find additional information in [tooltips](#) or on the [About page](#). You can also watch the [SolarSize demo video](#) for a guided experience of the application.

M² Available Roof Area

How much area is available
for solar panels to be
installed on. (M²)

View tooltips by [hovering](#) over an input field until the tooltip box appears.

Help While Using the Application

If you require help or additional information at anytime while using the application, find additional information in **tooltips** or on the **About page**. You can also watch the [SolarSize demo video](#) for a guided experience of the application.

Inputs

Summary

About

Navigate to the **About page** using the menu at the top of the application.

Help While Using the Application

If you require help or additional information at anytime while using the application, find additional information in **tooltips** or on the **About page**. You can also watch the [SolarSize demo video](#) for a guided experience of the application.

[Click to watch the SolarSize demo video](#)



About Page

The **About page** contains additional information regarding the Solarsize application, SolarSize Winter 2022 capstone project, return on investment calculations, inputs users may need to submit, and solar model.

General

ROI

Inputs

Solar Model

Use the menu on the left side to navigate to different sections of the **About page**.

About Page

The **About page** contains additional information regarding the Solarsize application, SolarSize Winter 2022 capstone project, return on investment calculations, inputs users may need to submit, and solar model.

General

Look in the **General** section for information regarding the Solarsize application and SolarSize Winter 2022 capstone project.

ROI

Look in the **ROI** section for information regarding the return on investment calculations such as formulas and specific costs.

Inputs

Look in the **Inputs** section for information regarding the inputs users may need to submit.

Solar Model

Look in the **Solar Model** section for information regarding the solar model such as how it works and specific solar calculations.

Using the Application

The main pages of the application are the **Inputs page** and **Summary page**. The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The **Summary page** displays the results of the solar panel and return on investment analysis.



Inputs

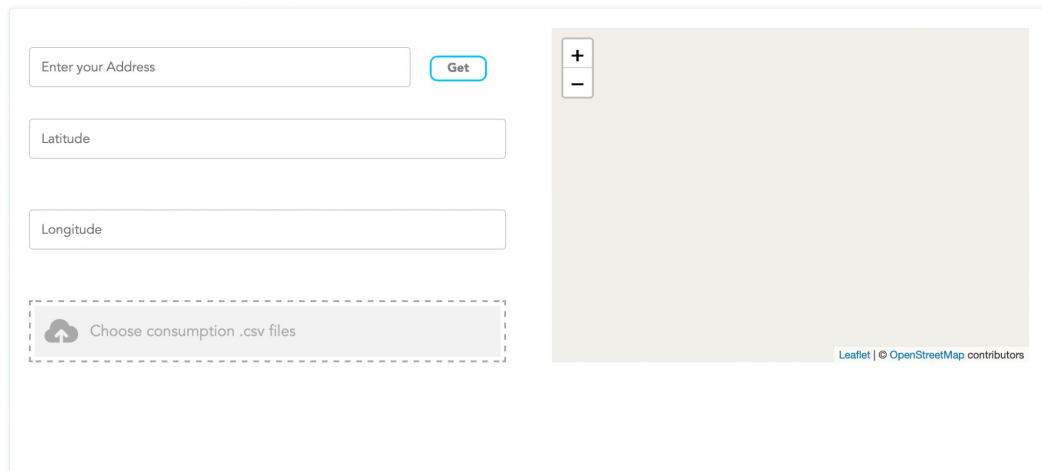
Summary

About

Navigate between the **Inputs page** and **Summary page** using the menu at the top of the application.

Inputs Page

The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The [SolarSize demo video](#) can be used as a further guide when filling out the form.



The screenshot shows a web form titled "Inputs Page". On the left side, there are four input fields: "Enter your Address" with a blue "Get" button next to it, "Latitude", "Longitude", and a dashed box containing a cloud upload icon and the text "Choose consumption .csv files". On the right side, there is a large map area with a vertical zoom control (plus and minus buttons) on its left edge. The map is currently blank. At the bottom right of the map, there is small text that reads "Leaflet | © OpenStreetMap contributors".

Enter your **address** or **location** and press the **“Get” button** to update the map, latitude, and longitude.

Upload a **.csv file** containing your building energy consumption data.

Inputs Page

The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The [SolarSize demo video](#) can be used as a further guide when filling out the form.

ID	Panel Name 310W Black Frame 60 cell Mono-PERC 35mm T4 CAN	Module Efficiency 0.xx 0.184	M ² Panel Area 1.6864	\$ Unit Panel Unit Cost 222	W Panel Wattage 310	X
ID	Panel Name Longi - LR4-60HPB-360M - Mono - Black	Module Efficiency 0.xx 0.198	M ² Panel Area 1.82169	\$ Unit Panel Unit Cost 281.76	W Panel Wattage 360	X
ID	Panel Name Longi - LR4-72HPH-450M, Monofacial, 35mm	Module Efficiency 0.xx 0.184	M ² Panel Area 2.290836	\$ Unit Panel Unit Cost 322.79	W Panel Wattage 450	X

[Add Panel](#)

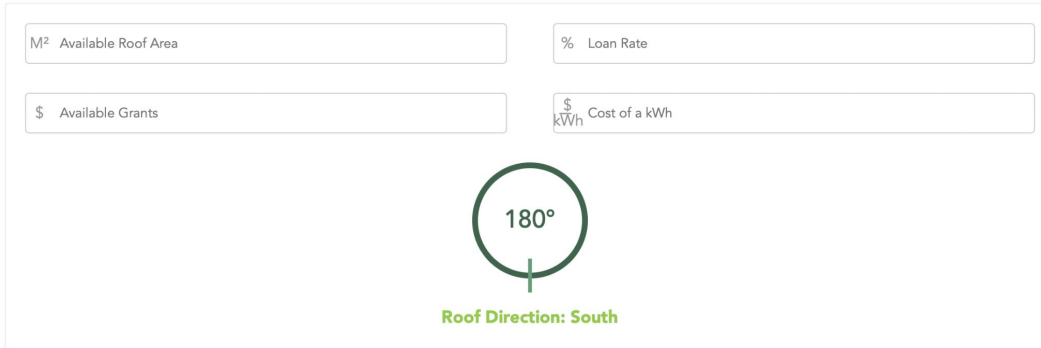
Use the application's **default** solar panel suggestions.

Or

Add your own panel types to be included in the analysis.

Inputs Page

The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The [SolarSize demo video](#) can be used as a further guide when filling out the form.



The screenshot shows a web form with four input fields arranged in a 2x2 grid. The top-left field is labeled 'M² Available Roof Area'. The top-right field is labeled '% Loan Rate'. The bottom-left field is labeled '\$ Available Grants'. The bottom-right field is labeled '\$ kWh Cost of a kWh'. Below these fields is a circular diagram with a vertical line pointing down and the text '180°' inside the circle. Below the diagram is the text 'Roof Direction: South'.

M² Available Roof Area	% Loan Rate
\$ Available Grants	\$ kWh Cost of a kWh

180°

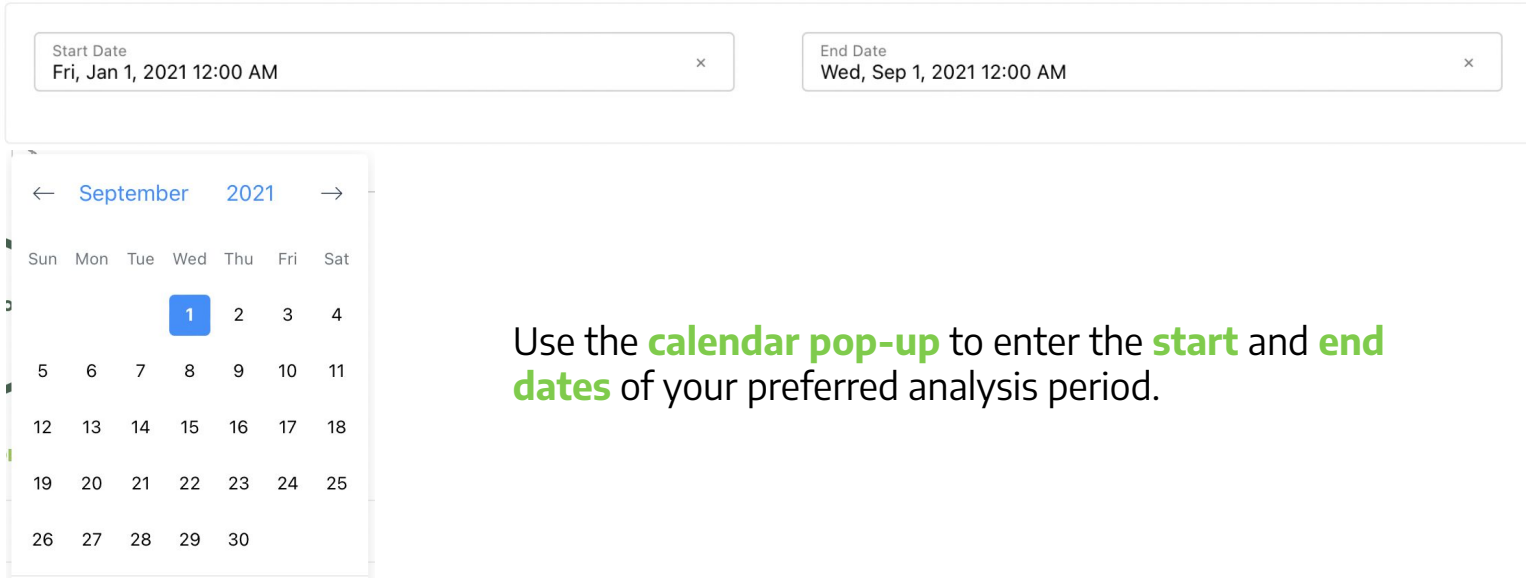
Roof Direction: South

Enter your

- **Area available**
- **Loan interest rate**
- **Grant amounts received**
- **Cost of kWh**
- **Roof direction**

Inputs Page

The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The [SolarSize demo video](#) can be used as a further guide when filling out the form.



The screenshot displays the 'Inputs Page' form. At the top, there are two date selection fields: 'Start Date' and 'End Date'. The 'Start Date' field is set to 'Fri, Jan 1, 2021 12:00 AM' and the 'End Date' field is set to 'Wed, Sep 1, 2021 12:00 AM'. Below these fields, a calendar pop-up is visible, showing the month of September 2021. The calendar has a grid with days of the week (Sun, Mon, Tue, Wed, Thu, Fri, Sat) and dates (1 through 30). The date '1' is highlighted in a blue box, indicating it is the selected start date. The text 'Use the calendar pop-up to enter the start and end dates of your preferred analysis period.' is overlaid on the right side of the calendar.

Start Date
Fri, Jan 1, 2021 12:00 AM

End Date
Wed, Sep 1, 2021 12:00 AM

← September 2021 →

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Use the **calendar pop-up** to enter the **start** and **end dates** of your preferred analysis period.

Inputs Page

The **Inputs page** is used to fill out the form with the information required to perform the solar panel and return on investment analysis. The [SolarSize demo video](#) can be used as a further guide when filling out the form.

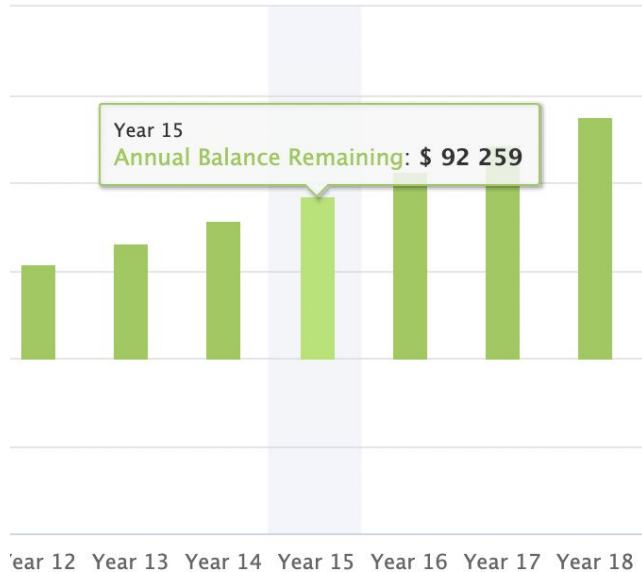
Use the **Calculate button** to submit the form once you have entered all the inputs.



Use the **Reset button** to reset/clear all the input values in the form at any point while filling out the form.

Summary Page

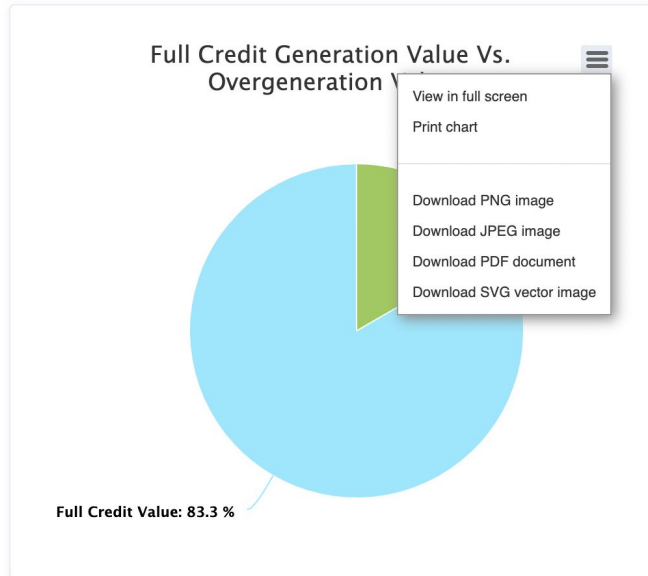
The **Summary page** displays the results of the solar panel and return on investment analysis including graphs and statistics. The [SolarSize demo video](#) explains what information is provided by each graph on the **Summary page**.




Hover over any point on a graph to view more detailed information about the value it is displaying.

Summary Page

The **Summary page** displays the results of the solar panel and return on investment analysis including graphs and statistics. The [SolarSize demo video](#) explains what information is provided by each graph on the **Summary page**.



Use the **graph menu** (3 grey bars in top right corner) to **enlarge** the graph, **print** the graph, or **download** a copy of the graph.



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