

Solar System Sizing Calculator

Energy, Power & Renewables

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Sizes a solar PV system to a consumer load and available space — recommended capacity in kW, estimated annual generation, roof area needed and the percentage of the bill it offsets — with the assumptions used. Use this to turn a feasibility into a concrete size. To present it to the customer with pricing use the Rooftop Solar Proposal Builder.

Purpose of this tool & output

Size the system to the load and roof

How the output is used

Use it to turn a feasibility into a concrete system size in kW, with expected generation and bill offset.

Who should vet it

A solar engineer, against real roof area and load data, before the size goes into a proposal.

Important cautions

AI-generated sizing; confirm with a detailed site design.

Companion documents

- Solar Feasibility Assessment
- Rooftop Solar Proposal Builder
- Solar Installation SOP
- Net Metering Application Guide
- Solar O&M / Maintenance Plan
- Solar Subsidy & Scheme Finder

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.