

3KW–5KW

SOLAR BUYER'S GUIDE

Everything You Should Know Before Installing Rooftop Solar



■ 3KW | 5KW | SMART ROOFTOP SOLUTIONS

BEFORE YOU BUY SOLAR, KNOW WHAT YOU'RE BUYING.

A practical homeowner guide to system sizing, rooftop space, equipment, quotations and installation.

Book your **FREE Solar Site Visit** • 9938975209 | 9437057499 • uniteltechnology.in

1. IS SOLAR RIGHT FOR YOUR HOME?

Solar can be a smart investment when it fits your energy use, rooftop and long-term plans.

■ YOUR ELECTRICITY USAGE

Look at monthly units consumed and your usage pattern—not only the rupee amount.

■ ROOFTOP SPACE

Usable area matters. Tanks, access paths, shade and other rooftop uses reduce available space.

■ SHADE & ORIENTATION

Shading and roof orientation can influence system layout and generation.

■ ROOF CONDITION

The roof, access, structure and mounting approach should be checked before installation.

A simple rule: don't choose solar by bill amount alone.

- Monthly units are more useful than bill amount alone.
- Rooftop conditions can change what is practical.
- Compare the proposed system size with your actual consumption and future needs.
- When unsure, ask for a proper site assessment.

2. 3KW vs 5KW — QUICK COMPARISON

Two homes on the same street can need different solar designs.

3KW	5KW
A capacity worth evaluating for homes with moderate electricity consumption and suitable rooftop conditions.	Worth evaluating for homes with higher electricity requirements, provided the rooftop and system design support it.
Consider: • Monthly units • Usable roof area • Shade • Future usage	Consider: • Higher consumption • Larger usable area • Load profile • Future requirements

DON'T COPY YOUR NEIGHBOUR'S SYSTEM.

Your electricity consumption, roof area, shade, orientation, structure and future needs can all differ. The right capacity should be explained—not guessed.

Ask: “Why are you recommending this capacity for my home?”

3. HOW MUCH ROOFTOP SPACE?

There is no single magic square-foot number for every rooftop. The important number is usable space.

Your terrace	Tanks • access • shade • obstructions	Area available for a practical layout

WHAT CAN REDUCE USABLE SPACE?

- Water tanks and service areas
- Staircases and access paths
- Permanent shade or nearby obstructions
- Parapet/edge clearances
- Existing garden or seating areas
- The chosen panel size and system layout

Small rooftop? Don't reject solar too quickly. A site assessment can show what is actually practical.

4. WHAT MAKES A GOOD SOLAR SYSTEM?

Don't compare quotations only on ■/KW. Compare the complete system.

■ ■ Solar modules

Technology, efficiency, warranty, degradation and manufacturer quality.

■ Inverter

Correct sizing, efficiency, protections, monitoring and warranty/service.

■ ■ Mounting structure

Appropriate design, corrosion resistance, roof compatibility and workmanship.

■ ■ Protection & earthing

Proper electrical protection and earthing arrangements.

■ Cables & connectors

Suitable quality components and proper installation.

■ Installation & support

Site assessment, documentation, commissioning, net-metering assistance and after-sales support.

5. 7 QUESTIONS TO ASK BEFORE YOU BUY

A good quotation should make the system and responsibilities easy to understand.

1

Why are you recommending 3KW or 5KW for my home?

2

What is the exact solar module make and model?

3

What is the exact inverter make and model?

4

What mounting structure and protection equipment are included?

5

What warranties apply to the modules, inverter and workmanship?

6

Who handles documentation, net-metering assistance and commissioning?

7

Who will support me after installation?

■ RED FLAG

Be cautious when a quotation gives only a total price and capacity but does not clearly identify equipment, warranty, installation scope or after-sales responsibility.

6. YOUR SOLAR JOURNEY

From site visit to support—here is what a clear process looks like.

1	FREE SITE VISIT Rooftop, access, shade, structure and practical requirements are checked.
2	ASSESSMENT Consumption and rooftop conditions are reviewed.
3	SYSTEM DESIGN Capacity, layout, equipment and mounting approach are planned.
4	QUOTATION Scope, components, warranties and commercial terms are explained.
5	INSTALLATION Structure, modules, inverter, wiring and protection are installed.
6	TEST & COMMISSION System checks, documentation and commissioning are completed.
7	NET-METERING & SUPPORT Assistance through the applicable process, followed by ongoing support.

7. QUICK SOLAR CHECK

Fill this in before you speak to an installer. It won't replace a site assessment, but it helps start the conversation.

Your monthly electricity bill: ☐ _____

Monthly units consumed: _____

Available rooftop area (sq. ft.): _____

Main electricity loads: _____

Preferred/expected system: 3KW ☐ 5KW ☐ Not sure ☐

NOT SURE? LET US HELP YOU.

A FREE site visit can help you understand your rooftop, possible system size, layout and the practical next steps.

OUR SOLAR INSTALLATION PORTFOLIO

Real projects. Real rooftops. Practical solar solutions.



Residential rooftop solar installation • Bhubaneswar, Odisha

REAL HOMES • REAL ROOFTOPS • REAL INSTALLATION EXPERIENCE

Our portfolio demonstrates different rooftop conditions, structures and layouts. Every project should be designed around the actual site—not a one-size-fits-all template.

PROJECT PORTFOLIO



Location Bhubaneswar, Odisha	Project type Residential Rooftop Solar
Project note Urban rooftop installation with a practical panel layout.	Approach Site-specific design, layout and installation planning.

Every rooftop is different. A good solar solution starts with the site.

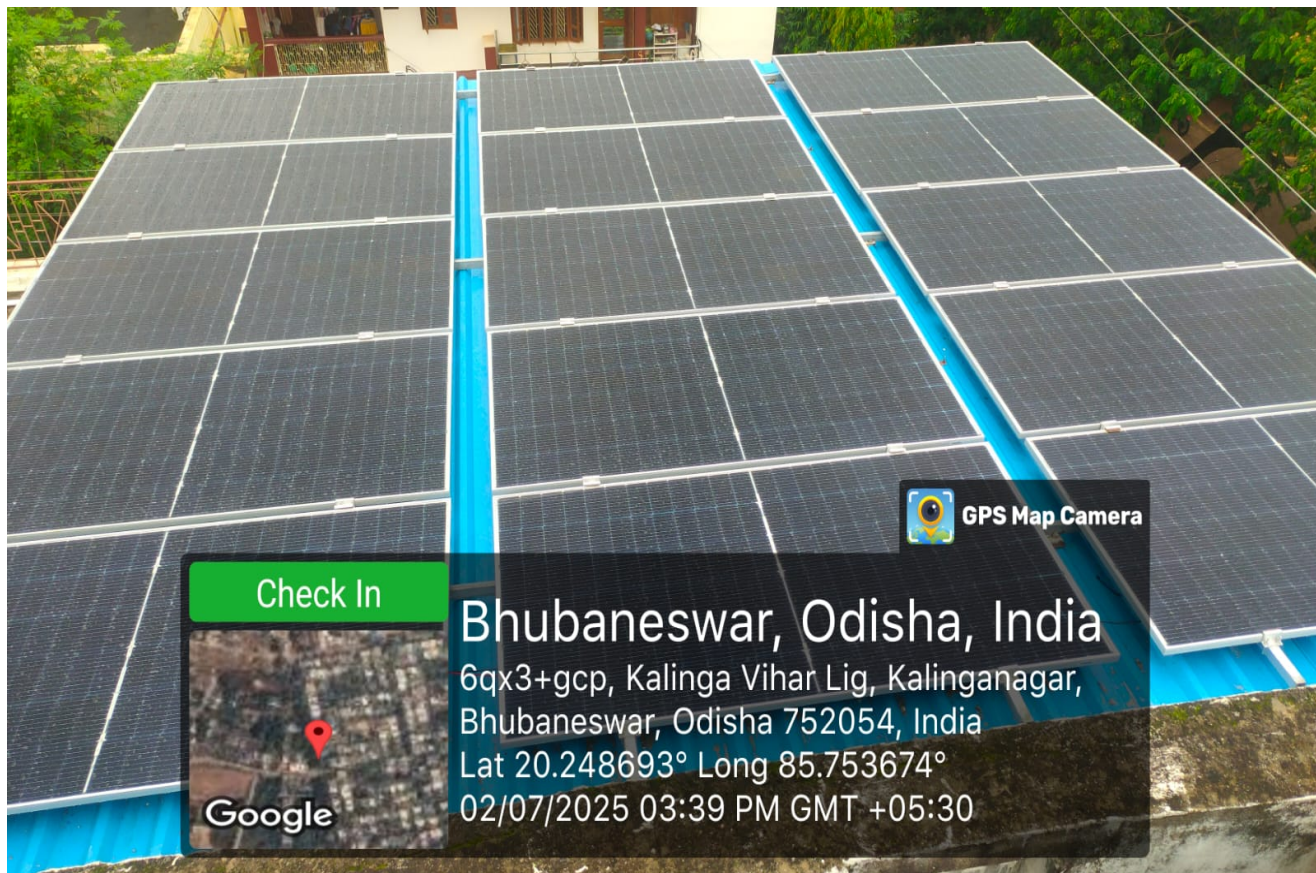
PROJECT PORTFOLIO



Location Odisha	Project type Rooftop Solar Installation
Project note Customized mounting and rooftop arrangement.	Approach Site-specific design, layout and installation planning.

Every rooftop is different. A good solar solution starts with the site.

PROJECT PORTFOLIO



Location Bhubaneswar, Odisha	Project type Residential Rooftop Solar
Project note Solar array installed on a constrained rooftop layout.	Approach Site-specific design, layout and installation planning.

Every rooftop is different. A good solar solution starts with the site.

PROJECT PORTFOLIO



Location Odisha	Project type Rooftop Solar with Green Space
Project note Solar integrated with an actively used terrace area.	Approach Site-specific design, layout and installation planning.

Every rooftop is different. A good solar solution starts with the site.

MAKE A SMARTER SOLAR DECISION

Before you compare prices, compare what each quotation actually includes.

Compare	What to check
System size	Why 3KW or 5KW? What is the basis?
Modules	Make/model, technology, warranty and performance.
Inverter	Make/model, sizing, monitoring and warranty.
Structure	Material, design, corrosion resistance and roof compatibility.
Protection	Earthing, protection devices and installation quality.
Service	Documentation, commissioning, net-metering support and after-sales.

A lower quotation is not automatically a better quotation. Look at the complete scope.

READY TO GO SOLAR?

Start with your rooftop—not someone else's quotation.



BOOK YOUR FREE SOLAR SITE VISIT

Get a FREE Site Visit & Free Solar Consultation

3KW | 5KW | 8KW | 10KW

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