



RN ENTERPRISE

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*5 Cities.
1 State.
1 Mission.
To bring affordable,
Reliable solar to Everyhome.*

TABLE OF CONTENTS

- 1 Solar Panels
- 2 Solar Inverter
- 3 Mounting Structure
- 4 Wiring AND Protection
- 5 Earthing kits



Solar Panels

INTRODUCTION

A solar panel is a device that converts sunlight into electricity. It is made up of many solar cells (usually silicon-based) that capture solar energy and turn it into Direct Current (DC) electricity. At Patidar Solar, we use top-quality panels from trusted brands like Adani, Waaree, and Vikram, Ece India – all offering up to 25 years of performance warranty.

adani
Renewables



TATA POWER



WAAREE®
One with the Sun



Solar Inverter

INTRODUCTION

A solar inverter is one of the most important components of a solar power system. It converts the DC (Direct Current) electricity produced by your solar panels into AC (Alternating Current) electricity, which is what most homes and appliances use.

Solar inverters usually come with 5 to 10 years standard warranty, depending on the brand and model.





Wiring And Protection

INTRODUCTION

Solar panels generate DC power which travels through DC wiring to the inverter. After conversion, AC wiring carries the AC power to your home appliances or the power grid.

DC Cables, AC Cables, MCB (Miniature Circuit Breaker), DCDB (DC Distribution Box), and ACDB (AC Distribution Box) are installed using ISI-approved PVC conduit pipes for safe and secure wiring protection.

POLYCAB



LARSEN & TOUBRO



HAVELLS



Earthing kits

INTRODUCTION

LA Earthing is an essential safety component in solar systems that protects against lightning strikes and electrical surges. It safely channels high-voltage currents in to the ground, preventing damage to solar panels and inverters.

We use standard copper-coated earthing pipes along with a foundation kit to ensure strong grounding and long-lasting performance. The setup includes a lightning arrester, chemical earthing, and high - quality copper wire.





Mounting Structure

- ISI Marked Galvanized Iron Pipes
 - High-strength, corrosion-resistant pipes from Apollo Company, ideal for long-lasting solar mountings structures.
 - 60 x 40 mm Square Pipe
 - Used for vertical and horizontal support frames ensuring structural stability.
 - 80 x 40 mm Rectangle Pipe
 - Designed for base frames and load-bearing joints, offering extra durability.
 - RCC Foundation Block
 - Reinforced Cement Concrete (RCC) block used for anchoring mounting structures securely in to the ground.
 - Size: 9" x 9" Inch
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