



# SolarDay

A brand of Ease Technology Solutions



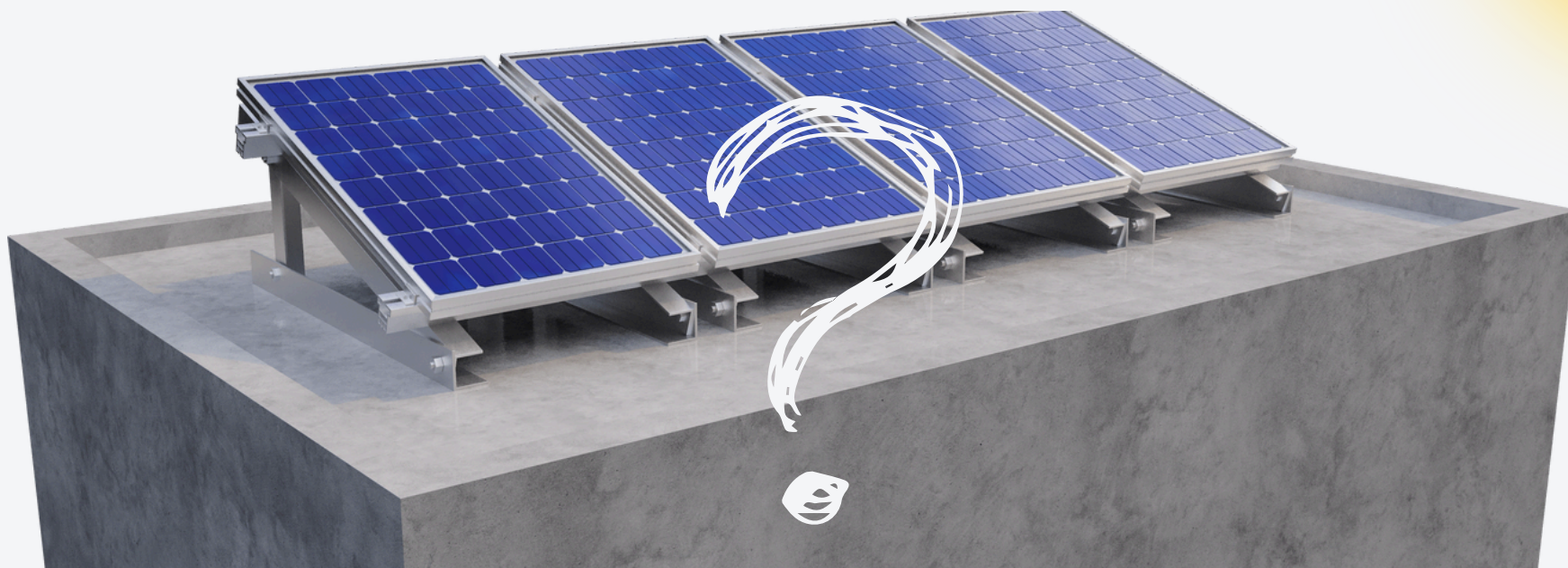
## Solar Made Easy!

Produce own electricity

Protect environment

Be a leader





# Why consider solar ?



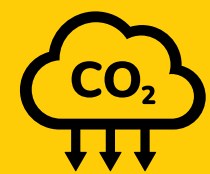
## Bill Savings

Reduce your electricity bill by up to 90% \*  
Why worry of the ever increasing bills?



## Zero Powercuts

Power-cut? No problem. A solar system with battery can power all your needs.



## Environment

Reduce your carbon footprint by 95% \*\*  
Do your bit for the planet by going solar.

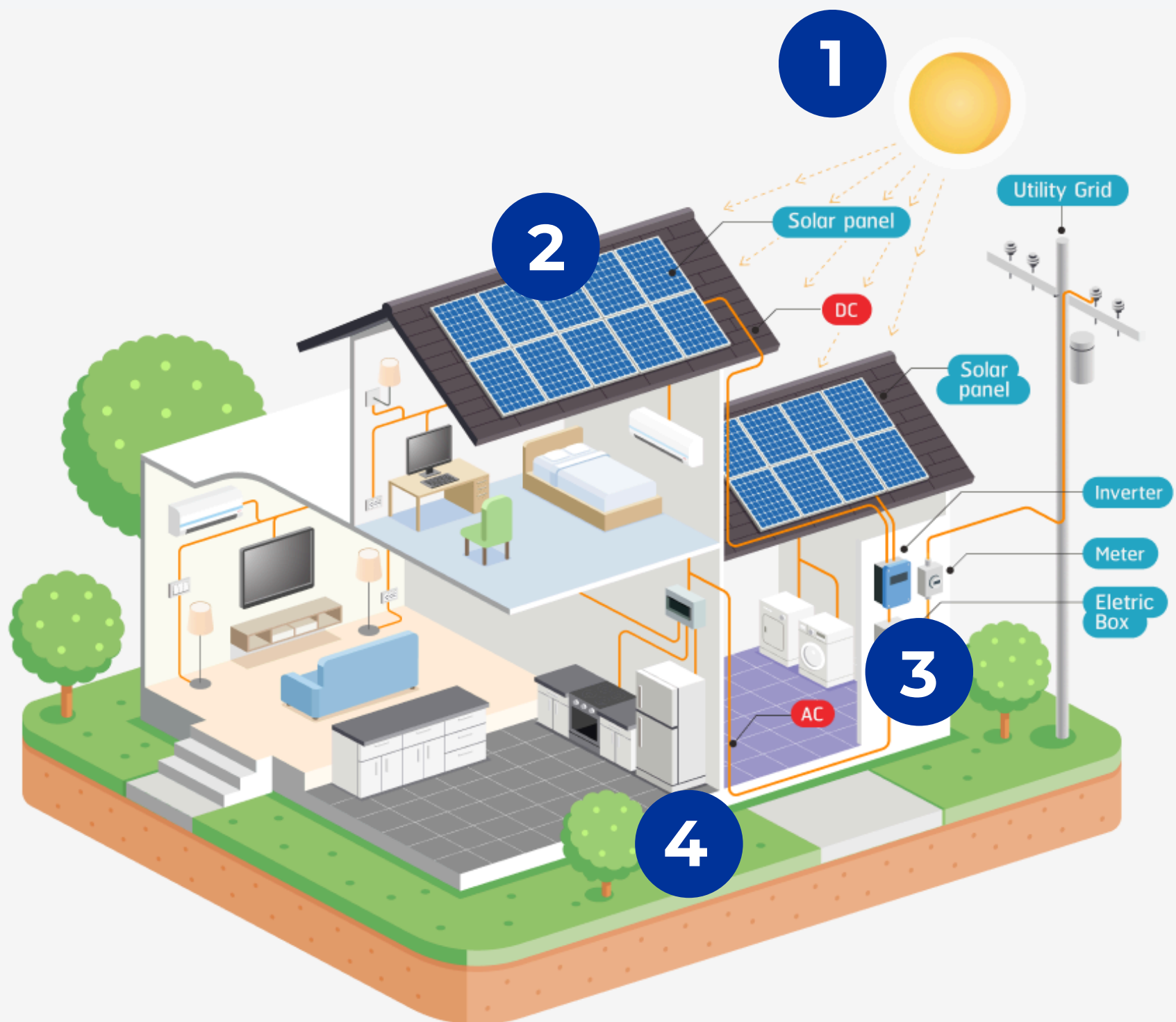


## Property Value

Solar system installed can significantly improve the value of any property.

\*Estimate based on 1460 units of electricity generation from 1 kW solar system \*\*Estimated based on 22.5 gm of carbon emitted for 1 unit of solar energy compared to 1000 gm for 1 unit of coal based energy

# How does solar work ?



## 1 Sunlight

Sunlight hits the surface of the photovoltaic cell on the solar panel causing electrons to flow.

## 2 Solar Panel

As electrons pass through the cells of a solar panel, they are converted into DC electricity.

## 3 Inverter

The DC electricity generated is sent to an inverter which converts it to AC electricity. Inverter can be - on grid, hybrid or off grid based on type of solar system.

## 4 Appliances

The AC electricity then runs through homes, ready to power appliances, charge devices & more.

## 5 Battery

*Optional.* Can be installed to store solar or grid energy for backup.

# Our offerings !

## 1. Grid Connected Solar System

**Suitable For :** All customers with shadow free roof/ground area & reliable grid supply.

**About :**

- Major components - solar panel, grid tied inverter, mounting structure & cables.
- Solar system generates only when grid power is available. Excess solar energy generated is exported to grid.

## 2. Hybrid Solar System

**Suitable For :** All customers with shadow free roof/ground area & unreliable reliable grid supply.

**About :**

- Major components - solar panel, hybrid inverter, battery, mounting structure & cables.
- Solar system generates even during grid outage & continues to run heavy loads together with battery. Excess solar energy generated is exported to grid.

## 3. Off Grid Solar System

**Suitable For :** All customers with shadow free roof/ground area & unreliable reliable grid supply.

**About :**

- Major components - solar panel, offgrid inverter, battery, mounting structure & cables.
- Solar system generates even during grid outage & continues to run critical load together with battery. No solar energy is not exported to grid.



# Solar FAQ's

## 01 What is a solar system?

In a solar system, the solar panels along with other supporting components are installed on the roof/ground of any residential, commercial, institutional and industrial building.

## 02 How much area is required to set up a solar system?

A 1 kw system generally requires 12 sq. metres (130 square feet) of flat, shadow-free area (preferably south-facing). Actual sizing, however, depends also on local factors of solar radiation and weather conditions and shape of the roof.

## 03 What are the different types of solar systems?

These are three types:

- (i) Grid Connected Solar System
- (ii) Grid Connected Solar System with battery
- (ii) Off Grid Solar with battery

## 04 How does net metering work with solar?

The grid connected system can work on net metering basis wherein the beneficiary pays to the utility on net meter reading basis only. Alternatively two meters can also be installed to measure the export and import of power separately. The mechanism based on gross metering at mutually agreed tariff can also be adopted

## 05 How long does the solar system last?

Solar panels manufacturer's warranty is 25 years. So, broadly life of solar is 25 years. However, it does function after 25 years with 80% output. Note - One time replacement of inverter is required in the 25 year lifecycle.

## 06 What happens when there's no sunlight on cloudy days?

Solar panels work just fine in ambient light and will produce significant energy in the fog or on overcast days. In bad weather, the production may not be 100% but they will produce power. On cloudy days, they may produce 60% of the required output.

## 07 What about the maintenance of the system and how is it done?

They rarely require any maintenance or cleaning, plus they have warranty of minimum 25 years. All it requires is to wash panels once in a month.

## 08 What about the subsidies for installing solar ?

Subsidies are available from multiple channels for setting up solar projects. Subsidy / Support from Central Government through MNRE. Government Institutions including Public Sector Undertaking (PSU) shall not be eligible for subsidy; instead they will be given achievement-linked incentives / awards. Subsidy / Support from State Government through State Nodal Agencies (SNAs): Subsidy support is also available in various states. The percentage of subsidy varies according to the state policies.



## About us

# End-to-End Solar Solutions Expert

With a mission to electrify every household & business in India by harnessing the power of the sun, Ease Technology Solutions, brings to you SolarDay.

At SolarDay, we're much more than just a solar installer, we're your own solar & battery experts. Our in-depth knowledge of both solar & battery technologies, allows designing & installing the most efficient & cost-effective solar rooftop solutions for you. We understand the intricacies of integrating battery with solar, ensuring you maximize energy independence & savings, whether you're connected to the grid or require a complete off-grid system.





# Brands we use



and more.....



# Why choose us ?

**1**

**Highest Quality Products**

**2**

**Competitive Pricing**

**3**

**Unparalled Service**

**4**

**Stringent Safety Standards**

**5**

**50+ Years of Solar Experience**

**6**

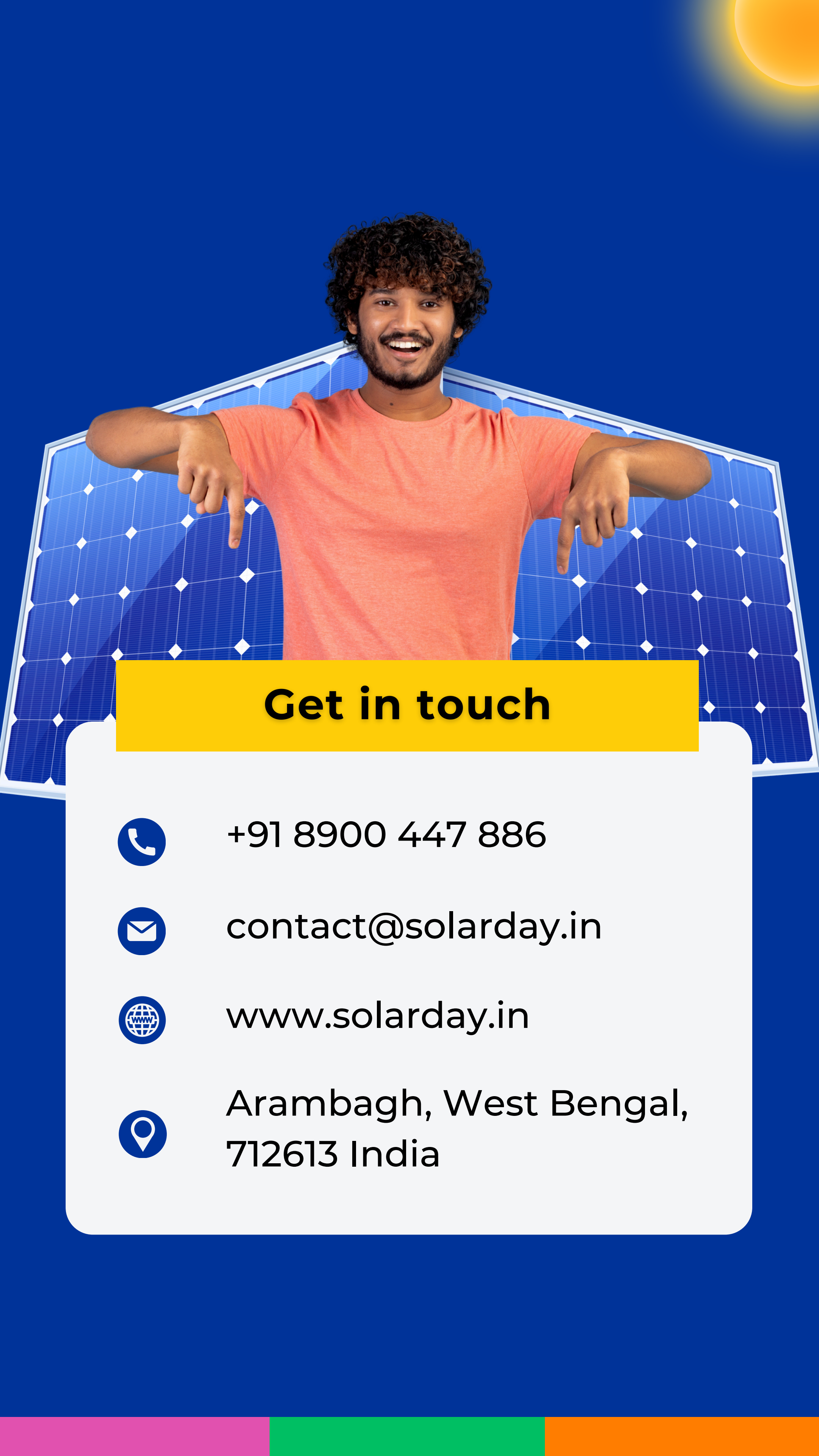
**All Component Warranty**

**7**

**Free Maintainance**







## Get in touch



+91 8900 447 886



contact@solarday.in



www.solarday.in



Arambagh, West Bengal,  
712613 India