

# **ON-GRID PV SYSTEM**

## Planet EARTH

## Green & Sustainable Solutions



Saves up to 90% on electricity bill . High return on investment



Reliable & fast installation and aftersales service



Green & Clean energy product that reduces carbon footprint The future of our planet in danger due to generation of harmful chemicals and CO2 from burning of fossil fuel to cater our energy demands. The only choice left with us is to use various sources of "Renewable Energy" that are continually renewed in nature without any human intervention.

SUN is the source of all energies available on our earth & twenty first century belongs to Solar energy. Be the first to use Solar PV system and contribute towards a safer, cleaner & greener planet.

#### MAJOR COMPONENTS

- PV Module
- On Grid Inverter
- Module Mounting Structure
- AC/DC Distribution Boxes
- AC/DC Cables
- LA & Earthling System





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#### Module Mounting Structures

- Superior quality with Hot-dip Galvanized / SS structure.
- Capable of handling wind speed up to 150 km/hr.

**On- Grid Inverter** 

Solar PV Modules

Solar energy from sun gets

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converted to DC electrical energy through PV modules.

 Excellent performance in cloudy weather ensures better output. Grid Supply / DG supply

Provides support to the solar

power available at the inverter output. The system will stop working in absence of grid / DG supply.



#### this direct current into an alternating

- current suitable for general usage.Built in MPPT charge controller.
- All inverter come with more than 96% efficiency.

• Electrical energy available from PV is in DC form. An on- grid inverter converts

• Up to 20% overloading capacity.

#### 4 Net Meter

• This meter records your consumption in KWh, which is the basis of billing. When solar comes into play, you will observe the net KWh becomes less. User can export excess solar power by installing Net Meter.

#### **KEY FEATURES**

- Get pay back of the entire investment with in 4-5 years.
- Easy financing available.
- Free consultation & site assessment.

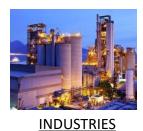
#### Connected Loads

- Connected load or the self consumption runs in the same way as it does with the grid but due to On grid system the load is shared on solar & grid. Hence the consumption of power from grid goes down.
- 5 Years warranty on complete system by Plant Earth.
- Up To 25 years performance warranty on PV modules.
- Up To 12 Years warranty on inverters.

## **APPLICATIONS**









**HOSPITAL** 

COLLEGE / SCHOOL

SUBSIDY

System Rating (In KW)	Subsidy Per KW (In Rs)
1-3 KW	14588
3-10 KW	7294

\*Note: - Subsidy is only for residential installations

## BENEFITS

- Save up to 90% on your electric bill.
- Export Excess Electricity to Grid.
- Clean and Green Energy.
- Free Electricity for more than 25 Years.
- One Time Investment.
- High Return On Investment.
- Reduce Co2 Emissions.

## **RETURN ON INVESTMENT**



Electric Bill (In Rs)	Required System (In KW)	Unit Gen. per Month (In KWH)	Subsidy (In Rs)	ROI (In Years)	ROI in 25 Years In Rs (L)
1000	2	252	29176	7-8	8.50
2000	3	378	43764	6-7	13.50
3000	4	504	51028	5-6	17.50
4000	5	630	58352	5-6	23.50
5000	7	882	72820	4-5	35.00
6000	8	1008	80084	4-5	40.50
7000	10	1260	94612	4-5	52.00



It is our responsibility to keep our Planet Livable for our next Generation. We at Planet Earth are on a Mission to Create A Better Planet to Live by Promoting Sustainable Solutions

**Our Solutions** 



## Planet EARTH - Green & Sustainable Solutions

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