



This is Perfect Time For Switch To Solar & Make Earth More Liveable.....

YOUR SAVING IN YOUR HAND....

Plant Size (Kw)	Unit Generation (Per Day)*	Unit Generation (Per Month)*	Unit Generation (Per Year)*	Unit Rate (USD/Unit)*	Saving USD (Month)*	Saving USD (Year)*	System Cost (USD)	Pay Back (Month)	Area Required (Sq.feet)
2.310	9	277	3326	0.13	36.01	431.08			200
3.3	13.2	396	4752	0.13	51.48	617.76			300
4	16	480	5760	0.13	62.48	748.80			400
5	20	600	7200	0.13	78.00	936.00			500
6.270	25.08	752	9024	0.13	97.76	1173.12			600
8	32	960	11520	0.13	124.80	1497.60			800
9	36	1080	12960	0.13	140.40	1684.80			800
10	40	1200	14400	0.13	156.00	1872.00			1000
25	100	3000	36000	0.13	390.00	4680.00			2500
30	120	3600	43200	0.13	468.00	5616.00			3000
50	200	6000	72000	0.13	780.00	9360.00			5000

NOTE :- *Unit generation as per Standard Test Conditions (STC) for solar panels i.e. Irradiance 1000W/m², Temperature 25°C/77°F, Air Mass AM 1.5.

*Electricity rates(Unit Rate/USD) to be check official sources like the U.S. Energy Information Administration (EIA) for specific and current electricity rate information in their respective locations

THE PROCESS OF SOLAR PLANT INSTALLATION :-



Site Survey → Application Submitted → Document Verified → Feasibility Approved → Approval Self Certification → Work Execution → Inspection Self → Certification Meter Installation → Plant Start



SMART SOLAR PANEL MANUFACTURE

Manufacturing & Marketed by : - LUCRATIVE SOLAR LLC - USA

Why Go Solar?

- * Reduction in electricity bills
- * Low maintenance requirements
- * Infinite source of power
- * High revenue return on investment
- * Renewable and clean energy source
- * It is a silent producer of electricity
- * Safe and durable
- * Environmental benefits and carbon footprint reduction

Solar Rooftop Power Plant

What we Do ?

At Lucrative Solar LLC, we're dedicated to bringing sustainable energy solutions to your doorstep. Our residential solar rooftop systems not only empower you to harness the power of the sun but also come with a range of incentives and schemes to make the transition to solar even more appealing.

Key Features: Federal Investment Tax Credit (ITC), State and Local Rebates/Incentives, Net Metering Benefits, Solar Renewable Energy Credits (SRECs), Property Assessed Clean Energy (PACE) Financing.

Solar Photovoltaic System

Solar power system is one of renewable energy systems which uses PV modules to convert sunlight into electricity. The electricity generated can be stored or used directly, feedback into grid line or combined with one or more other electricity generators or more renewable energy source. Solar PV system is very reliable and clean source of electricity that can suit a wide range of applications.

Solar Rooftop System

- * Solar PV system generates electric power by converting solar radiation into electrical energy. This consists of solar panels installed on roof top or on ground. Solar panels absorb the solar radiation and convert it to Direct Current Electricity.
- * An inverter that is connected to the Solar Panels, converts the direct current electricity into alternating current. The electric power generated is fed into the utility grid (conventional or public grid). There is a simple meter accounting which directly meters the energy generated through the system before flowing into the grid.

Advantages Of Solar Rooftop System

- * Solar energy is clean and pollution free
- * It is harmony with nature
- * Solar power is available in abundance and at your doorstep
- * Photovoltaic System is very easy to install operate and maintain.
- * As there are no moving parts in rooftop systems the system is very robust insuring a long life of solar panel about 25 years.

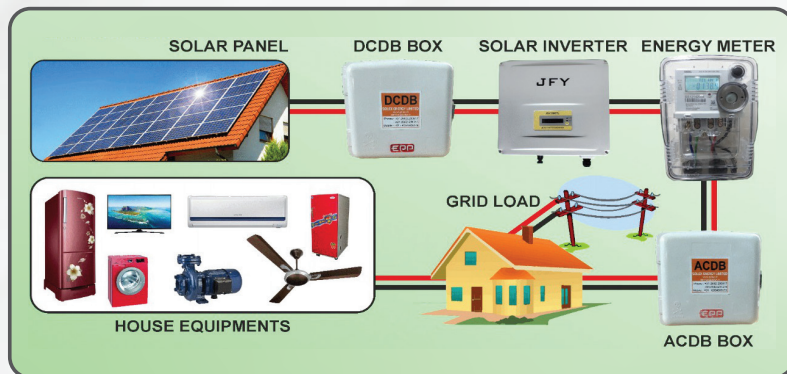
Features Of Residential Rooftop Solar Pv System Scheme

- * Take advantage of the federal tax credit, allowing you to deduct a significant percentage of your solar system's cost from your federal taxes.
- * With our solar rooftop systems, you can participate in net metering programs. Earn credits for excess energy your system generates and enjoy reduced electricity bills.
- * Join the movement towards a greener future by earning Solar Renewable Energy Credits. These credits not only contribute to the environment but may also offer financial rewards.

Who Can Apply

Any individual resident / Homeowners

RESIDENTIAL Solar Rooftop System Residential



Components Of Solar Rooftop System

Solar Panel

Solar panel is assembly of numbers of photovoltaic cell and it is used as a component of a rooftop system to generate and supply DC Electricity.

Solar Array

Multiple solar panel connected together and form a solar array.

Junction Box

An electrical junction box is container for electrical connections, usually intended to conceal them from sight and tempering. It also includes terminals for joining cables. Its protection degree should be IP65.

Inverter (Grid connected Power Conditioning Unit)

The power conditioning unit (PCU) used in grid connects SPV system consists of an inverter and other electronics for MPPT, synchronisation and remote monitoring. The inverter is the most complicated part of the PV system. It has to act as an interface between the PV array and the Grid. It needs to trip frequency of voltage or current goes outside acceptable ranges.

Net Metering Systems

In case of rooftop solar PV systems, the metering system is of net metering and focus would be on consumption within the rooftop owners installations (with the grid acting as an energy Bank). In such case existing utility metre is to be replaced bi-directional (or import - Export Metre).

Electricity Generation By Solar Rooftop System

A 3.2 kW photovoltaic system would require about 320 sq. feet of shadow free roof area. Large photovoltaic system would require proportionally more space to absorb more sunlight. Hence for example, a 5 kW system would require 500 sq. feet area.

**Manufacture of Smart
Solar Panel**

AVAILABLE CAPACITY :- 3.3 kW, 3.6 kW, 4.0 kW, 4.6 kW, 5.0 kW, 6.0 kW, 6.6 kW, 9.9 kW to 5000 kW

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