**Frequently Ash Question**

Ques. How much space required for 1 KW Roof Top Solar?

Ans- Ideally 100 Sq. feet per KW but can be managed by 75 Sq. feet, if space constraint.

Ques: What is direction of Solar panel?

Ans: South

Ques: What is the angle of module with respect to floor?

Ans: 30 deg

Ques: Is that solar panel installed at slant surface?

Ans- Yes it can have installed but direction should be in south

Ques: Is that solar panel installed at Tin shed?

Ans: Yes

Ques: Is that solar panel installed at Asbestos sheet?

Ans: No, Tin shed is required.

Ques. Is there subsidy available?

Ans- Subsidy scheme is finished by 31-Aug-21.

Ques. How many type of Govt. offer subsidy?

Ans- Government offer 2 type of subsidy. Centre Subsidy and state subsidy.

**Center Subsidy:**

Subsidy Amount – Up to 3kW – 40% Subsidy,

4kW to 10kW – 20% Subsidy &

More than 10kW – No any subsidy

**State Subsidy**: 30000/- per connection

Ques: What is the difference between On-grid and Off-grid ?

Ans:

|  |  |
| --- | --- |
| **On Grid** | **Off Grid** |
| 1. System run at solar during day time | 1. System run at solar during daytime and simultaneously battery will charge at solar. After solar hour system runs at battery and simultaneously battery will also charge on grid |
| 2. During power cut system will off | 2. During power cut system will run at battery |
| 3. Net Metering is required to note down how much power is generated by solar and how much power is drawn by grid. Consumer have to pay only difference to both power.  Net meter is installed by distribution company.  If a consumer has generated 30 units in a day at solar plant (A) and Consumer has consumed 40 Units at grid (B) so consumer has pay (C)10 units  C= B-A  C= 40-30= 10 units | 3. Net metering is not required |
| 4. this system is good for following  > if power cut is less  > customer wants to save electricity bill | 4. Good for if power cut is more |
| 5. Less Expensive | 5. Expensive as battery cost is additional. Also offgrid inverter is more expensive |

Ques: Which solar plant is good for rural area and which solar plant is good for urban area ?

Ans: Ideally power cut is more in rural area and less in urban area. So, off grid is good for rural area and Ongrid for urban area.

Ques: Is that subsidy available for off grid?

Ans: There is no subsidy available for off grid.

Ques: Is that home inverter and battery can be used for solar system

Ans: Yes, it can be used but home inverter doesn’t have features like tripping at overcurrent protection and fast charging, overvoltage protection, total power saving in KWhr

Ques: What is the difference between home battery and solar battery?

Ans: Solar battery do fast charging than home battery. Solar battery life is more than home battery. Solar battery is C10/C5 class however home battery is C15 class.

Ques: Can heavy load like AC, motor etc run at solar?

Ans: Yes it can.

Ques: Can we run Floor mill, water pump etc

Ans- Yes

Ques: Is that net metering is applicable for commercial connection?

Ans: No. For commercial connection zero export meter is applicable

Ques: what is warranty?

Ans- Module warranty – 25 years as per manufacture, ongrid inverter warranty- 7 to 10 years as per manufacture, off-grid inverter warranty -2 to 5 years, system performance warranty- 5years for domestic and commercial connection, 1 year for solar pump and flour mill, 2 years for street light.

Ques: Do my solar panels produce power when the sun isn’t shining?

Ans: The amount of power your solar energy system can generate is dependent on sunlight. As a result, your solar panels will produce slightly less energy when the weather is cloudy and foggy.

Ques: which panel is better?

Ans- Mono perk is better than polycrystalline, Mono perk with half-cell is better that Mono perk, bifacial half-cell is better than mono perk half cell

Ques: What is the standard size of PV module?

Ans- 335 Wp, LXB = 2X1 mtr, Wait- 23 to 25 Kg

Ques- How many PV modules are required for 1 KW

Ans- 3 module of 335 Wp

Ques- How much power produced by 1 KW solar system?

Ans- In summer- 8 units, in winter-2 to 4 units, in rainy – 2 to 4 units. Average 4 units a day during whole year.

Ques: How on grid system is best for domestic consumers

Ans: In On grid system you are consuming the non interrupted electricity during the solar hours and also selling the electricity t the grid. Also the same unit can be used during the non solar hours.

Ques: Can I sell the electricity to grid?

Yes, on grid consumer can sell the excess electricity produced during the solar hours to the grid.

Ques: What are the benefits to sell the electricity to grid?

Ans: Sold electricity to grid can be consumed by the consumers at night or any day of that financial year.

Ques: How government will do settlement if sold electricity?

Ans: After completion of the financial year total sold electricity during solar hours (-) total taken electricity during non solar hours, the difference will paid at 2 rupees per unit.

Ques: Can a commercial consumer sell the electricity to grid?

Ans: No, Commercial consumer cannot sell the electricity to grid. Only domestic consumers can sell the electricity.

Ques: What is the payback period of on grid and off grid system?

Ans: Within 4-5 years you will get the payback any of the system.

Ques: Is that Loan available for solar Plant

Ans: Yes, it is available if project cost is more than 3 L

Ques: What are the components are there in an On Grid System?

Ans: Solar PV Module, On-grid Inverter, Structure and Electrical items

Ques; What are the components are there in an Off Grid System?

Ans: Solar PV Module, Off-grid Inverter, Batteries, Structure and Electrical items

Ques: Is there any battery required in on grid system?

Ans: No

Ques: How I will get the electricity during the non solar hours?

Ans: Form Grid