

At Vigyan Ashram a solar panel system of 6.5 kW capacity was installed. There are two sets and each has 10 panels which means a total of 20 panels. And it is installed on the top of the memorial hall at Vigyan Ashram. Solar panel power generates 32 kW/day for 20 panels.

Ever since I was taking the readings I have noticed that before and after noon, 10 panels generate 2 units.

Regular water treatment was done on both sets on a daily basis. But no satisfactory results were obtained. The readings were coming to the same with and without water.

**Factors to consider while trying to get maximum power generation on solar panels:**

1. The amount of shaded area on the solar panel should not be too much.
2. The angle of installation of the panels should be perfect with the minimum and maximum solar radiation captured by them.
3. Clean your solar panel to make sure dust doesn't block sunlight.
4. Check your inverter or storage battery and all other components to see if it works properly.
5. Your solar panel system should be regularly inspected and maintained.

**If you want more power generation from panels, do the following**

1. Buy one of the more efficient solar panel models.
2. Buy panels with High Concentrated Photovoltaic (CPV) Cells.
3. Avoid installing solar panels in shaded areas.
4. Get an expert to install your solar panels.
5. Clean your solar panels.