

Solar Energy Questions

1. What is the most common material used for a photovoltaic solar cell?

2. How much light energy is converted to electrical energy by a photovoltaic solar cell?

3. How much energy is lost in converting DC energy to AC energy?

4. What are the 4 basic components of a photovoltaic solar power plant?

5. What is the function of the inverter?

6. What is the function of the step-up transformer?

7. How does electricity get from the power plant to your home?

8. What does photovoltaic mean?

9. How much power does one (1) square foot of photovoltaic solar cells generate on a sunny day?

10. If your home requires 3000 watts of electrical power, how many square feet of photovoltaic solar cells would you need to power your home?
