

Solar Photovoltaic Systems Engineer Interview Questions

1. Describe an experience when you created plans for solar energy system development, monitoring, and evaluation activities.

2. Share your approach to conducting engineering site audits to collect structural, electrical, and related site information for use in the design of residential or commercial solar power systems.

3. Name a time when you tested or evaluated photovoltaic (PV) cells or modules.

4. What factors do you consider when reviewing specifications and recommending engineering or manufacturing changes to achieve solar design objectives?

5. What is the most challenging part of performing thermal, stress, or cost reduction analyses for solar systems?

6. Describe methods you have found effective to develop standard operation procedures and quality or safety standards for solar installation work.

7. Walk me through how you would provide technical direction or support to installation teams during installation, start-up, testing, system commissioning, or performance monitoring.

8. What are your computer skills when performing computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency?

9. What have you found to be the best way to develop design specifications and functional requirements for residential, commercial, or industrial solar energy systems or components?

10. What kind of experience do you have creating electrical single-line diagrams, panel schedules, or connection diagrams for solar electric systems using computer-aided design (CAD) software?

11. Share an effective approach to design or coordinate design of photovoltaic (PV) or solar thermal systems, including system components, for residential and commercial buildings.