

Solar Panel Technician Interview Questions And Answers Guide.



Global Guideline.

<https://globalguideline.com/>



Solar Panel Technician Job Interview Preparation Guide.

Question # 1

Explain who Will Do The Earth Pit For The Solar Plant?

Answer:-

Separate chemical earthing up to 5ft as per standard design norms will be constructed by us as part of our execution scope.

[Read More Answers.](#)

Question # 2

Tell us the abilities you have in order to work with us as solar photovoltaic installer?

Answer:-

I have the ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem, imagine how something will look after it is moved around or when its parts are moved or rearranged, see details at close range (within a few feet of the observer), arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations), apply general rules to specific problems to produce answers that make sense.

[Read More Answers.](#)

Question # 3

Explain me how big a solar energy system do I need?

Answer:-

The size of solar system you need depends on several factors such as how much electricity or hot water or space heat you use, how, the size of your roof, and how much you're willing to invest. Also, do you want the system to supply your complete energy usage or to supplant a portion of your higher cost energy usage? You can contact a system designer/installer to determine what type of system would suit your needs.

[Read More Answers.](#)

Question # 4

Tell us what is the present and future demand for solar installations?

Answer:-

In a recent Newsweek Web Exclusive article, (August 25, 2009), Matthew Phillips states that "Despite the bad economy, or maybe even because of it, the rooftop-solar industry is booming. Americans are increasingly becoming intrigued by the idea of turning their roofs into mini power plants and cutting their electric bills. In 2008, 33,500 rooftop solar systems were installed in the United States. This is a 63 percent increase over the amount of capacity installed in 2007. In California, the solar capital of the country, the increase was 95 percent.

[Read More Answers.](#)

Question # 5

What is ampere (amp)?

Answer:-

unit of electric current (refers to flow of current); one ampere corresponds to a certain number of electrons passing a fixed point each second.

[Read More Answers.](#)

Question # 6

What is photovoltaic (PV)?

Answer:-

technology and research that relates to the application of solar cells for energy by converting radiant energy directly to electricity.

[Read More Answers.](#)

Question # 7

What is monocrystalline?

**Answer:-**

single silicon crystal; monocrystalline panels are made from one large, single silicon crystal making it rated the most efficient solar technology available.

[Read More Answers.](#)

Question # 8

What is polycrystalline cell?

Answer:-

solar cells produced from processed liquid silicon; when solidified, multiple silicon crystals are formed. Less efficient than monocrystalline cells.

[Read More Answers.](#)

Question # 9

Do you know capacity Of The Power Plant?

Answer:-

Solar PV power plants are specified in KWp, not KWH. KWp means Kilowatt Peak. Please read this link for more information.

So a quote for 100 KWp does not guarantee that you will get 100 units of electricity per hour. Typically a 100 KWp plant will produce 1, 50,000 to 1, 80,000 Units of electricity per year. The actual generation every month, week, day and hour will depend on various factors and location.

[Read More Answers.](#)

Question # 10

Tell us can The Solar Panel Withstand Wind, Rain And Seismic Conditions?

Answer:-

Yes, the design takes care of all these conditions, as relevant to the city / location of installation. The structural engineering and drawings on roof top installation will be submitted for customer's approval. This can be further validated by the customer with the help of a suitable architect / expert.

[Read More Answers.](#)

Question # 11

Explain me how would you describe (needed solar photovoltaic installer or your) work style?

Answer:-

My work style matching exactly what cashier job requires by: being pleasant with others on the job and displaying a good-natured, cooperative attitude, being reliable, responsible, and dependable, and fulfilling obligations, being careful about detail and thorough in completing work tasks, being honest and ethical, a willingness to take on responsibilities and challenges.

[Read More Answers.](#)

Question # 12

Tell me how do I know if I have enough sunlight for PV?

Answer:-

A photovoltaic (PV) system needs unobstructed access to the sun's rays for most or all of the day. Shading on the system can significantly reduce energy output. Climate is not really a concern, because PV systems are relatively unaffected by severe weather. In fact, some PV modules actually work better in colder weather. Most PV modules are angled to catch the sun's rays, so any snow that collects on them usually melts quickly.

[Read More Answers.](#)

Question # 13

Tell me can a solar water heater replace an electric or gas water heater?

Answer:-

Not completely. Conventional electric or gas water heating systems are still necessary as a supplement to the solar water heating system, largely because the sun might not shine in a particular area for several days at a time. However, because solar water heaters are designed provide hot water directly to the tank of a gas or electric water heater, they reduce the need for the water heater to run on conventional fuels. And this in turn reduces your gas or electric bill. Depending on where you live, solar water heaters can provide up to 80% of your home's annual water-heating needs.

[Read More Answers.](#)

Question # 14

Tell me what is a PV device or Module?

Answer:-

These are called Solar Panels or Solar Modules. They are the solid-state electrical devices that convert light into direct current electricity. Several modules wired together and placed on a roof or in a ground mounted system are called an "ARRAY".

[Read More Answers.](#)

Question # 15

What is direct insolation?

Answer:-

solar radiance that directly hits the earth's surface.

[Read More Answers.](#)



Solar Panel Technician Interview Questions And Answers

Question # 16

Tell us do We Need Lightning Arresters In Addition To What We Already Have In The Building?

Answer:-

If the condition of the existing arresters is OK, then additional arresters may not be required. This will be ascertained during execution.

[Read More Answers.](#)

Question # 17

Please explain me what are the main job duties and responsibilities of solar photovoltaic installer employee?

Answer:-

Solar photovoltaic installer responsibilities are to install module array interconnect wiring, implementing measures to disable arrays during installation; install required labels on solar system components and hardware; install photovoltaic (pv) systems in accordance with codes and standards using drawings, schematics, and instructions; apply weather sealing to array, building, or support mechanisms; assemble solar modules, panels, or support structures, as specified; visually inspect and test photovoltaic (pv) modules or systems; activate photovoltaic (pv) systems to verify system functionality and conformity to performance expectations; check electrical installation for proper wiring, polarity, grounding, or integrity of terminations; identify methods for laying out, orienting, and mounting modules or arrays to ensure efficient installation, electrical configuration, or system maintenance; identify and resolve any deficiencies in photovoltaic (pv) system installation or materials; test operating voltages to ensure operation within acceptable limits for power conditioning equipment, such as inverters and controllers; identify installation locations with proper orientation, area, solar access, or structural integrity for photovoltaic (pv) arrays; demonstrate system functionality and performance, including start-up, shut-down, normal operation, and emergency or bypass operations; perform routine photovoltaic (pv) system maintenance on modules, arrays, batteries, power conditioning equipment, safety systems, structural systems, weather sealing, or balance of systems equipment; identify electrical, environmental, and safety hazards associated with photovoltaic (pv) installations; measure and analyze system performance and operating parameters to assess operating condition of systems or equipment; determine connection interfaces for additional subpanels or for connecting photovoltaic (pv) systems with utility services or other power generation sources; program, adjust, or configure inverters and controls for desired set points and operating modes; determine appropriate sizes, ratings, and locations for all system overcurrent devices, disconnect devices, grounding equipment, and surge suppression equipment; examine designs to determine current requirements for all parts of the photovoltaic (pv) system electrical circuit; compile or maintain records of system operation, performance, and maintenance; install active solar systems, including solar collectors, concentrators, pumps, or fans; determine photovoltaic (pv) system designs or configurations based on factors such as customer needs, expectations, and site conditions; determine materials, equipment, and installation sequences necessary to maximize installation efficiency; diagram layouts and locations for photovoltaic (pv) arrays and equipment, including existing building or site features; select mechanical designs, installation equipment, or installation plans that conform to environmental, architectural, structural, site, and code requirements.

[Read More Answers.](#)

Question # 18

Tell us where can we find someone who designs, installs, and maintains photovoltaic (PV) systems?

Answer:-

We suggest you look for a PV installer or equipment provider in the telephone directory under "Solar Energy Equipment and Systems Dealers."

It is a good idea select a designer or installer of solar energy systems from the list in your local yellow pages by first asking for information from several of them about their experience with PV systems as well as how much their services and products cost. With a system designer, you can discuss power requirements or hot water needs for your building, sunlight availability, and other important factors, and determine the type of system that's needed to meet your needs. System designers and installers should be able to provide you with cost estimates and other pertinent information.

[Read More Answers.](#)

Question # 19

Do you know how secure is your future in the Solar Industry or Renewable Energy Industry?

Answer:-

Today it is safe to say that there are no guarantees in any professional field of work. However, there are MANY reasons why Solar PV, as well as every other renewable energy field, will be growing for many years to come. Included in these reasons is the fact that there are several State and Federal "Green" or Renewable Energy" programs, Grants, Federal income Tax incentives and State Rebate programs that are scheduled to last for at least seven more years. Recent legislation, as well as pending legislation, exists in every one of our 50 United States governments that includes mandatory minimum thresholds that must be achieved for generating electrical power by use of "Renewable Energy" technologies.

[Read More Answers.](#)

Question # 20

What is solar constant?

Answer:-

the average density of solar radiation measured outside Earth's atmosphere and at Earth's mean distance from the sun, equal to 0.140 watt per square centimeter.

[Read More Answers.](#)

Question # 21

Explain me what is an Inverter?

Answer:-

A device required in a Solar system that converts the direct current electricity from the solar modules into alternating current used inside most homes and business' in America.

[Read More Answers.](#)

Question # 22

What is watt (W)?

Answer:-



[Solar Panel Technician Interview Questions And Answers](#)

the unit of electric power, or amount of work (J), done in a unit of time. One ampere of current flowing at a potential of one volt produces one watt of power.

[Read More Answers.](#)

Question # 23

What is tracking array?

Answer:-

a solar array that follows the path of the sun to maximize the solar radiation incident on the photovoltaic surface.

[Read More Answers.](#)

Question # 24

What is volt (V)?

Answer:-

standard unit of voltage; one volt produces one ampere of current when acting a resistance of one ohm.

[Read More Answers.](#)

Question # 25

What is junction box?

Answer:-

protected enclosure for electrical wiring.

[Read More Answers.](#)

Question # 26

What is direct current (DC)?

Answer:-

an electric current in which electrons flow in one direction only.

[Read More Answers.](#)

Question # 27

What is photovoltaic efficiency?

Answer:-

the ratio of power produced by a solar cell at any instant to the power of radiant energy striking the cell; certain factors such as temperature can cause the efficiency rate to vary during the day.

[Read More Answers.](#)

Question # 28

What is voltage?

Answer:-

potential energy that makes the electrical current flow in a circuit by pushing the electrons around (pressure).

[Read More Answers.](#)

Question # 29

What is electric circuit?

Answer:-

complete path of an electric current, including the generating apparatus, intervening resistors, or capacitors.

[Read More Answers.](#)

Question # 30

What is altitude?

Answer:-

height of the sun above the horizon.

[Read More Answers.](#)

Question # 31

Tell me what is a photovoltaic cell?

Answer:-

The smallest semiconductor elements contained within a PV module that perform the immediate conversion of light into electrical energy. It is also called a Solar cell.

[Read More Answers.](#)

Question # 32



Do you know how does a solar water-heating system work?

Answer:-

Every solar water-heating system features a solar collector that faces the sun to absorb the sun's heat energy. This collector can either heat water directly or heat a "working fluid" that's then used to heat the water. In active solar water-heating systems, a pumping mechanism moves heated water through the building. In passive solar water-heating systems, the water moves by natural convection. In almost all cases, solar water-heating systems work in tandem with conventional gas or electric water-heating systems; the conventional systems operate as needed to ensure a reliable supply of heated water.

There are many types of solar water heaters. Each has strengths to recommend it for specific climates and water conditions. Solar system professionals can help you select the most appropriate system for your area and your needs.

[Read More Answers.](#)

Question # 33

Can you explain how much does a solar energy system cost, and how much will I save on utility bills?

Answer:-

Some of the following documents are available as Adobe Acrobat PDFs. Download Acrobat Reader.

Unfortunately, there is no single or simple answer. But a solar rebate and other incentives can reduce the cost of a PV system. This cost depends on a number of factors, such as whether it is a stand-alone system or is integrated into the building design, the size of the system, and the particular system manufacturer, retailer, and installer. For solar water heaters and space heaters, you also have to consider the price of the fuel used to back up the system. In most cases, you would have to add the cost of natural gas or electricity to get a more accurate estimate of how much you can expect to pay for a solar energy system.

It is also difficult to say how much you will save with a solar energy system, because savings depend on how much you pay your utility for electricity or natural gas, and how much your utility will pay you for any excess power that you generate with your solar system. You can ask your solar system provider how much your new system will produce on an annual basis and compare that number to your annual electricity or hot water demand to get an idea of how much you will save.

[Read More Answers.](#)

Question # 34

Tell us can we use photovoltaics (PV) to power our home?

Answer:-

PV can be used to power your entire home's electrical systems, including lights, cooling systems, and appliances. PV systems today can be blended easily into both traditional and nontraditional homes. The most common practice is to mount modules onto a south-facing roof or wall. For an additional aesthetic appeal, some modules resemble traditional roof shingles

[Read More Answers.](#)

Question # 35

Explain me how can we get electricity from the sun?

Answer:-

When certain semiconducting materials, such as certain kinds of silicon, are exposed to sunlight, they release small amounts of electricity. This process is known as the photoelectric effect. The photoelectric effect refers to the emission, or ejection, of electrons from the surface of a metal in response to light. It is the basic physical process in which a solar electric or photovoltaic (PV) cell converts sunlight to electricity.

Sunlight is made up of photons, or particles of solar energy. Photons contain various amounts of energy, corresponding to the different wavelengths of the solar spectrum. When photons strike a PV cell, they may be reflected or absorbed, or they may pass right through. Only the absorbed photons generate electricity. When this happens, the energy of the photon is transferred to an electron in an atom of the PV cell (which is actually a semiconductor).

With its newfound energy, the electron escapes from its normal position in an atom of the semiconductor material and becomes part of the current in an electrical circuit. By leaving its position, the electron causes a hole to form. Special electrical properties of the PV cell—a built-in electric field—provide the voltage needed to drive the current through an external load (such as a light bulb).

[Read More Answers.](#)

Question # 36

Can you tell me some thing about the knowledge elements you obtained from your education, training and work experience would support your solar photovoltaic installer career?

Answer:-

The Knowledge of machines and tools, including their designs, uses, repair, and maintenance, materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads, the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar, design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models, principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

[Read More Answers.](#)

Question # 37

As you know we put the safety of our employees first at First Solar which includes extensive safety training for our new hires. Walk me through your current safety training and safety related education?

Answer:-

I am formally trained in Fall Arrest, WHMIS as well as Confined Space. I have been an ESTS trainer as well. In addition to this experience, I have many hours of on-site safety training in my previous roles. I brought my current documents with me if you would like to make a copy. I am confident that my level of effort when it comes to safety will meet your high expectations

[Read More Answers.](#)

Question # 38

Explain me what Happens When The Solar Energy Generated Is More Than What We Need Or If It Is Less Than What We Need?

Answer:-



[Solar Panel Technician Interview Questions And Answers](#)

Solar energy is infirm power, and that is why, we either sync it to the Electricity Grid or have a battery backup or Sync it to a DG set. For Industrial applications, we sync with grid or DG.

When the solar power generated from the plant is less than what is required by your load, the additional required energy will be drawn from either grid or DG for supplying the load. If it is more than what is required, it can be fed back to the Grid, provided you have a net meter connection.

[Read More Answers.](#)

Question # 39

Do you know how much money will a solar water-heating system save on my utility bill?

Answer:-

It is difficult to say how much you will save with a solar system. That depends on several factors, including how much you already pay your local utility for electricity or natural gas. You can ask your solar system professional how much heat your new system will produce on an annual basis and then subtract that number from your current annual consumption-the total amount of electricity and gas you use-to get an idea of how much you will save. Data on your current annual consumption should be available from your utility.

[Read More Answers.](#)

Question # 40

Explain me what are the skills required for solar photovoltaic installer employee in order to success in his work?

Answer:-

Installing equipment, machines, wiring, or programs to meet specifications, Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times, Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems, Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action, Understanding the implications of new information for both current and future problem-solving and decision-making.

[Read More Answers.](#)

Question # 41

Tell us what Are The Parameters That Affect Actual Generation?

Answer:-

* Sunshine intensity: The variation of sun's intensity in your location. The history of this data is available for your specific location (latitude and longitude). You can look for it in MNRE database.

* Angle of the sun to the installed base: We normally propose fixed tilt installation - which means modules are fixed at an angle and sunshine incident angle on the module will vary by the day.

* Ambient Temperature: Change in Ambient temperature affects the solar cell temperature and in turn that it will affect the power generated. You can look at the solar module specification to know the power de-rating for various cell temperatures.

[Read More Answers.](#)

Question # 42

As you know at First Solar we offer a range of equipment and services. How familiar are you with our business?

Answer:-

I have read up on First Solar GmbH quite extensively since being invited to interview with you. From my understanding, the bulk of your business comes from A, and B. I read the press release posted to your blog last month and see that you are opening a new location in XYZ. Congratulations on that growth! I am very excited to join an organization as successful and progressive as yours.

[Read More Answers.](#)

Question # 43

Tell me how is a solar electric system designed, installed, and maintained?

Answer:-

You could install a photovoltaic (PV) or solar electric system yourself. But to avoid complications or injury, you will probably want to hire a reputable professional contractor with experience in installing solar systems. PV systems have few moving parts, so they require little maintenance. The components are designed to meet strict dependability and durability standards so they can stand up to the elements. However, they are fairly sophisticated electric systems, so installation usually requires the knowledge and experience of a licensed electrical equipment contractor.

[Read More Answers.](#)

Question # 44

Tell us what are the components of a photovoltaic (PV) system?

Answer:-

A PV system is made up of different components. These include PV modules (groups of PV cells), which are commonly called PV panels; one or more batteries; a charge regulator or controller for a stand-alone system; an inverter for a utility-grid-connected system and when alternating current (ac) rather than direct current (dc) is required; wiring; and mounting hardware or a framework.

[Read More Answers.](#)

Question # 45

What is albedo?

Answer:-

ratio of light reflected from a surface.

[Read More Answers.](#)

**Question # 46**

What is electrical grid?

Answer:-

interconnected network for distributing electricity.

[Read More Answers.](#)

Question # 47

What is thin film?

Answer:-

a thin layer of semiconductor material, such as amorphous silicon, which is deposited directly onto a plate of glass. Least efficient of all solar cells.

[Read More Answers.](#)

Question # 48

Tell us can The Solar Plant Be Synchronized With Grid Power And Dg Power?

Answer:-

Yes, it can be synchronized. Check the specifications of the inverters - it should mention that it is sync-able to both DG and Grid.

[Read More Answers.](#)

Question # 49

As you know the electrical equipment industry is vast. What area do you consider your specialty and why will your specialty help us at First Solar?

Answer:-

I have approximately 12 years experience in the electrical equipment industry with 6 of those years being on equipment nearly identical to what you have in place at First Solar GmbH. In your job posting you requested candidates with exposure to A, B, and C. In my current role I am considered the subject matter expert with A, and C. My understanding of B can be classified as intermediate level. If hired, my training time would be minimal compared to someone with less comprehensive experience within A, B, and C.

[Read More Answers.](#)

Question # 50

Please explain why should I purchase a PV system?

Answer:-

People decide to buy solar energy systems for a variety of reasons. For example, some individuals buy solar products to preserve the Earth's finite fossil-fuel resources and to reduce air pollution. Others would rather spend their money on an energy-producing improvement to their property than send their money to a utility. Some people like the security of reducing the amount of electricity they buy from their utility, because it makes them less vulnerable to future increases in the price of electricity.

If it's designed correctly, a solar system might be able to provide power during a utility power outage, thereby adding power reliability to your home. Finally, some individuals live in areas where the cost of extending power lines to their home is more expensive than buying a solar energy system.

[Read More Answers.](#)

Question # 51

Tell us how much does a solar water-heating system cost?

Answer:-

Unfortunately, there is no one answer to this question. The cost of a solar system depends on a number of factors, such as the size of the system and the particular system manufacturer, retailer, and installer. However, any solar rebates and other incentives available in your area will reduce that total cost.

For solar water heaters and space heaters, you will also be taking into consideration the price of the fuel used to back up the system. In most cases, you will have to add in the cost of supplemental natural gas or electricity to get a fairly accurate estimate of how much you can expect to pay for a solar system.

[Read More Answers.](#)

Question # 52

What is energy?

Answer:-

any source of usable power, as fossil fuel, electricity, or solar radiation.

[Read More Answers.](#)

Question # 53

What is kilowatt-hour (kWh)?

Answer:-

measure of kilowatt production of power in kilowatts and time in hours.

[Read More Answers.](#)

Question # 54

What is load (verb)?

Answer:-

to add a power-absorbing device to an electrical circuit .



[Read More Answers.](#)

Question # 55

What is load (noun)?

Answer:-

- * 1 the power consumed on an electrical circuit.
- * 2 a power-absorbing device, such as a blender, light bulb, etc.

[Read More Answers.](#)

Question # 56

What is cell?

Answer:-

basic unit of a photovoltaic panel.

[Read More Answers.](#)

Question # 57

How much is gigawatt (GW)?

Answer:-

1,000,000,000 watts.

[Read More Answers.](#)

Question # 58

What is module?

Answer:-

interconnected assembly of solar cells; also called a panel.

[Read More Answers.](#)

Question # 59

What is array in Solar Panel?

Answer:-

photovoltaic modules connected together to provide a single electrical output.

[Read More Answers.](#)

Question # 60

Tell me what does BOS mean?

Answer:-

Balance of System. This means the rest of the component parts and equipment used in a Solar system that is NOT the solar modules. The remaining portion of the PV system, inverters, disconnects, wiring, conduits, NOT including the PV Modules.

[Read More Answers.](#)

Question # 61

What is insolation?

Answer:-

measure of solar radiation energy received on a given surface area in a given time.

[Read More Answers.](#)

Question # 62

What is alternating current (AC)?

Answer:-

an electric current that reverses direction at regular intervals.

[Read More Answers.](#)

Question # 63

What is diffuse insolation?

Answer:-

solar radiance that is scattered or reflected by atmospheric components, such as clouds, dust, etc.

[Read More Answers.](#)

Question # 64

What is electric current?

**Answer:-**

rate of flow of electric charge, measured in amperes.

[Read More Answers.](#)

Question # 65

What is transformer?

Answer:-

a device used to transfer electrical energy from one circuit to another; with an alternating current, a transformer will either raise or lower the voltage as it makes the transfer.

[Read More Answers.](#)

Question # 66

What is azimuth?

Answer:-

horizontal angle measured clockwise in degrees from a reference direction, usually the north or south point of the horizon, to the point on the horizon intersected by the object's line of altitude.

[Read More Answers.](#)

Question # 67

Explain me what are the benefits of using solar energy to heat water in my home?

Answer:-

First, the fuel is free! Once you recover the higher initial costs of a solar system through reduced or avoided energy costs (that is, lower utility bills), your solar system will require expenditures only for maintenance. And when you include the cost of a solar water heater in a mortgage on a new home, the system often provides a positive monthly cash flow from the first day of ownership.

Second, solar water heaters and other solar technology applications do not pollute. They do not add to the carbon dioxide, nitrogen oxides, sulfur dioxide, and other air pollutants and wastes produced by most of today's power plants, even those that run on natural gas. And they allow you to burn less natural gas in your home, as well.

[Read More Answers.](#)

Question # 68

Tell us what's the difference between PV and other solar energy technologies?

Answer:-

There are four main types of solar energy technologies:

- * Photovoltaic (PV) systems, which convert sunlight directly to electricity by means of PV cells made of semiconductor materials.
- * Concentrating solar power (CSP) systems, which concentrate the sun's energy using reflective devices such as troughs or mirror panels to produce heat that is then used to generate electricity.
- * Solar water heating systems, which contain a solar collector that faces the sun and either heats water directly or heats a "working fluid" that, in turn, is used to heat water.
- * Transpired solar collectors, or "solar walls," which use solar energy to preheat ventilation air for a building.

[Read More Answers.](#)

Question # 69

Can we Guarantee The No. Of Units Produced Or The Efficiency Of Solar Plant?

Answer:-

Yes we can guarantee the no. of units produced per year per KWp installed. This guaranteed generation will vary from location to location. The exact guarantee figure will be incorporated in the commercial contract.

In any case since the contract is based on price per KWH, if the plant produces less, the revenue is less. This means, there is an in-built guarantee and incentive for us to produce the most.

[Read More Answers.](#)

Question # 70

Tell me what is net metering? Is net metering available where I live and work?

Answer:-

Net metering is a policy that allows homeowners to receive the full retail value for the electricity that their solar energy system produces. The term net metering refers to the method of accounting for the photovoltaic (PV) system's electricity production. Net metering allows homeowners with PV systems to use any excess electricity they produce to offset their electric bill. As the homeowner's PV system produces electricity, the kilowatts are first used for any electric appliances in the home. If the PV system produces more electricity than the homeowner needs, the extra kilowatts are fed into the utility grid.

[Read More Answers.](#)

Question # 71

What is electrical efficiency?

Answer:-

useful power output divided by the total electrical power consumed.

[Read More Answers.](#)



Question # 72

Tell us can we use photovoltaics (PV) to power our business?

Answer:-

PV systems can be blended into virtually every conceivable structure for commercial buildings. You will find PV being used outdoors for security lighting as well as in structures that serve as covers for parking lots and bus shelters, generating power at the same time.

[Read More Answers.](#)

Question # 73

Explain me what is photovoltaics (solar electricity) or "PV"?

Answer:-

What do we mean by photovoltaics? The word itself helps to explain how photovoltaic (PV) or solar electric technologies work. First used in about 1890, the word has two parts: photo, a stem derived from the Greek phos, which means light, and volt, a measurement unit named for Alessandro Volta (1745-1827), a pioneer in the study of electricity. So, photovoltaics could literally be translated as light-electricity. And that's just what photovoltaic materials and devices do; they convert light energy to electricity, as Edmond Becquerel and others discovered in the 18th Century.

[Read More Answers.](#)

Question # 74

Explain me can we use a solar water-heating system to heat our swimming pool?

Answer:-

Using a solar system to heat a swimming pool is the most common use for solar energy in the United States today. Solar pool-heating systems increase an unheated pool's water temperature by 10 degrees or more, and they can extend the swimming season by two to three months.

[Read More Answers.](#)

Question # 75

Explain me how long do photovoltaic (PV) systems last?

Answer:-

A PV system that is designed, installed, and maintained well will operate for more than 20 years. The basic PV module (interconnected, enclosed panel of PV cells) has no moving parts and can last more than 30 years. The best way to ensure and extend the life and effectiveness of your PV system is by having it installed and maintained properly. Experience has shown that most problems occur because of poor or sloppy system installation.

[Read More Answers.](#)

Question # 76

Tell me are There Are Any Safety Standards For Solar Power Plant?

Answer:-

Yes there are published safety standards for roof top solar power plants. AEPL will ensure that the supply and installation follows all the safety standards applicable.

[Read More Answers.](#)

Question # 77

What is photovoltaic system?

Answer:-

a system which uses solar cells to convert light into electricity; consists of multiple components, including solar cells, mechanical and electrical connections and mountings and means of regulating and/or modifying the electrical output.

[Read More Answers.](#)

Technical Most Popular Interview Topics.

- 1 : [Instrumentation Frequently Asked Interview Questions and Answers Guide.](#)
- 2 : [Data Entry Operator Frequently Asked Interview Questions and Answers Guide.](#)
- 3 : [CCTV Operator Frequently Asked Interview Questions and Answers Guide.](#)
- 4 : [Elevator Technician Frequently Asked Interview Questions and Answers Guide.](#)
- 5 : [Generator Operator Frequently Asked Interview Questions and Answers Guide.](#)
- 6 : [Lead Generator Frequently Asked Interview Questions and Answers Guide.](#)
- 7 : [Senior Technical Support Engineer Frequently Asked Interview Questions and Answers Guide.](#)
- 8 : [Camera Technician Frequently Asked Interview Questions and Answers Guide.](#)
- 9 : [Lab Chemist Frequently Asked Interview Questions and Answers Guide.](#)
- 10 : [Instrumentation Specialist Frequently Asked Interview Questions and Answers Guide.](#)

About Global Guideline.

Global Guideline is a platform to develop your own skills with thousands of job interview questions and web tutorials for fresher's and experienced candidates. These interview questions and web tutorials will help you strengthen your technical skills, prepare for the interviews and quickly revise the concepts. Global Guideline invite you to unlock your potentials with thousands of [Interview Questions with Answers](#) and much more. Learn the most common technologies at Global Guideline. We will help you to explore the resources of the World Wide Web and develop your own skills from the basics to the advanced. Here you will learn anything quite easily and you will really enjoy while learning. Global Guideline will help you to become a professional and Expert, well prepared for the future.

* This PDF was generated from <https://GlobalGuideline.com> at **November 29th, 2023**

* If any answer or question is incorrect or inappropriate or you have correct answer or you found any problem in this document then don't hesitate feel free and [e-mail us](#) we will fix it.

You can follow us on FaceBook for latest Jobs, Updates and other interviews material.
www.facebook.com/InterviewQuestionsAnswers

Follow us on Twitter for latest Jobs and interview preparation guides
<https://twitter.com/InterviewGuide>

Best Of Luck.

Global Guideline Team
<https://GlobalGuideline.com>
Info@globalguideline.com