



LIVE YOUR PASSION

**What does it
take to become a
Solar Installation
Technician?**



Solar Installation Technicians install, service and maintain solar photo-voltaic systems. Sunlight is an ongoing supply and solar installation technicians help to convert this natural resource to electricity by installing solar panels on roofs or other types of structures, such as free-standing arrays. They assemble, maintain or repair panels on grids, and sometimes work under the guidance of an engineer or advanced technician.

Skills and Knowledge

Solar Installation Technicians must have a wide range of knowledge, which they can gain through training programmes, or even on-the-job training. Responsibilities can vary, but include the need to be able to read drawings and schematics, knowledge of local code and regulations, and understanding the current requirements for the electrical circuit of a solar panel system. Solar Installation Technicians must know how to apply weather sealing to the panel or system, put in interconnected wiring and test voltages to ensure the system operates within acceptable limits.

Training

Training programmes cover a variety of topics, such as system components, design, installation and safety procedures. As you progress through the training programme, you will become familiar with the design, installation and service techniques of solar systems in residential and commercial buildings. Solar system manufacturers may also provide specific training on a product. Such training usually includes a system overview and proper installation techniques of the manufacturer's products. Experience in construction

may shorten a new employee's training time. For example, workers with experience as an electrician, roofer or carpenter, typically already understand and can perform basic construction duties. In addition, those with knowledge of electrical work, such as electricians, are highly valued by contractors.

Working Conditions

Because Solar Installation Technicians are employed in solar power, much of their work occurs outside, or even in an attic or crawl space of the place where they are installing solar panels. Travelling is an important part of the job as work is typically done on a client's site. Most work is done during regular hours, although some technicians may need to be available for emergencies over weekends. Solar Installation Technicians risk falls from ladders and roofs, electrical shocks, and burns from hot equipment and materials while installing and maintaining PV systems. Those working on roofs must use required fall protection equipment.

Job Prospects

The use of solar technology is increasing in popularity as more and more people are using energy from the sun in an effort to become greener. Additionally, the government is backing the installation of solar products through subsidies and incentive programmes. A decrease in the cost of panels and systems for residential homes, coupled with improved efficiency of these panels are growing the demand for such systems.

You too can live your passion and become a Solar Installation Technician.

LIVE YOUR PASSION

If you are customer and detail-oriented, have strong mechanical skills and physical stamina and strength, you are a good candidate.

- REGULAR BUSINESS HOURS
- OUTDOORS
- HIGH RISK ENVIRONMENT

- DESIGN, INSTALLATION
- MAINTENANCE
- EXPERIENCE IN CONSTRUCTION
- INDUSTRY APPRENTICESHIP

- INSTALL, SERVICE, MAINTAIN
- SOLAR PHOTO-VOLTAIC SYSTEMS
- ASSEMBLING, REPAIRING PANELS ON GRIDS
- PERFORM ROUTINE TESTING + MAINTENANCE

Customer satisfaction is what separates us from the rest. We always need to do our best, no matter how small the installation.

”

- READ DRAWINGS + SCHEMATICS
- LOCAL CODE + REGULATIONS
- ELECTRICAL CURRENT REQUIREMENTS
- WEATHER SEALING

- CUSTOMER + DETAIL-ORIENTED
- MECHANICAL APTITUDE
- SPATIAL PERCEPTION
- PHYSICAL STAMINA + STRENGTH