Solar energy installation training

Our solar installation training courses are designed to guide you as you prepare for a job in solar energy -- from the theory and science behind photovoltaics through the advanced skills needed to safely and effectively design, size and install a full solar PV array.

This online certificate path covers a comprehensive spectrum of grid-direct and battery-based residential and commercial photovoltaic design and installation applications as well as solar business and technical sales, and operations and maintenance within the solar industry.

Refine your skills by learning how to correctly install SolarEdge Power Optimizers and Inverters. Access all the solar installation learning resources you need anytime, anywhere, from any device.

PVOL101: Solar Training - Solar Electric Design and Installation (Grid-Direct) - Online. PVOL101 is your gateway to a career in the solar industry. It all starts with the fundamentals, and a solid understanding of various components, system architectures, and applications for PV systems.

PV201 is an online, entry-level solar training class, and it provides the foundation of knowledge for understanding the design and installation of PV systems. Completion of PV201 takes you from beginner to intermediate topics of solar and is the prerequisite to our advanced classes.

The Solar Training Network addresses a critical need for high-quality, local, accessible training in solar installation and related skills. It was established under the Solar Training and Education for Professionals (STEP) funding program in 2016 and is administered by The Solar Foundation.

By completing the solar installation course, you"ll gain the skills to install and design solar PV systems, following industry best practices, safety protocols, and relevant standards. This solar training prepares you for a career as a solar PV installer, system designer, or technician.

Solar energy courses cover a variety of topics essential for understanding and implementing solar power systems. These include the basics of solar energy principles, photovoltaic (PV) technology, and solar panel installation.

Identify data required to size and design a grid-direct PV system. Describe how the sun"s position in the sky changes daily and seasonally. Determine azimuth and altitude angles of the sun using a sun chart. Explain how the solar resource is measured in the context of power and energy.

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