



SOLAR PV SAFETY TRAINING

RISKS AND SOLUTIONS FOR FIRST RESPONDERS

With the rapid increase in solar photovoltaic (PV) installations globally, safety risks associated with PV systems have become more significant, especially during emergencies. *LTV Technologies* is proud to offer the *Solar PV Safety Training – Risks and Solutions for First Responder*, a comprehensive course designed for first responders and on-site Photovoltaic System Safety Officers. This course equips learners with the critical knowledge and practical skills needed to manage PV systems safely and effectively during incidents such as fires or system malfunctions.

WHO SHOULD TAKE THIS COURSE

- **First Responders:** Firefighters, emergency medical teams, and law enforcement officers who may encounter PV systems during emergencies.
- **Photovoltaic System Safety Officers:** On-site personnel responsible for PV system safety, maintenance, and operations.
- **Solar PV Plant Owners:** Owners who need to understand PV risks and ensure their sites are emergency-ready.
- **PV Installers:** Installers who should guide clients in preparing for emergencies and implementing safety plans like PV EvacuPlan.
- **CEOs and OHS Officers:** Leaders responsible for compliance with Occupational Health and Safety (OHS) standards.
- **Insurance Brokers:** Professionals assessing solar energy risks and advising clients on safe solutions.

COURSE HIGHLIGHTS

Module 1: Overview of Renewable Energy Risks and the Solar Panel Market

- Understand the growing solar energy market.
- Explore risks posed by PV systems during emergencies.

Module 2: Common Reasons for Solar Panel System Failure

- Learn common causes of system malfunctions and solutions.

Module 3: Types of Electricity and Risk Factors (AC vs. DC)

- Grasp the differences and specific risks of alternating current (AC) and direct current (DC).

Module 4: PV System Safety & Health Considerations

- Discover safety measures and health risks associated with PV systems.

Module 5: Risk Assessment Matrix for First Responders and Safety Officers

- Use detailed tools to evaluate and manage PV system dangers.

Module 6: Working at Heights and Safety Measures

- Learn best practices and regulations for working at heights.

Module 7: How to Safely Switch Off and Manage Solar Panels

- Master techniques to de-energize and manage solar panels during emergencies.

Module 8: Introduction to PVSTOP – The Tier 1 Solar Safety Solution

- Gain practical knowledge of using PVSTOP to deactivate solar panels safely.

Modules 9-11: Practical Application of Light-Blocking Coating and System Deactivation

- Apply light-blocking coatings and ensure safe deactivation and disposal of PV systems.

ENROLL TODAY

Don't leave safety to chance. Equip yourself and your team with essential knowledge and tools to manage solar PV systems safely. Enroll now in the Solar PV Safety Training and be at the forefront of solar safety in South Africa.

LTV Technologies proudly brings *Risk and Emergency's* internationally accredited e-learning solutions to the South African market. Our courses bridge cultural gaps, foster a global community of informed learners, and focus strongly on safety and understanding.

How to Enroll:

- Visit and pay via the website www.ltvtech.co.za
- After successful payment, email us at order@ltvtech.co.za.
- Complete all modules and quizzes to receive your certificate of completion for download.

Why This Course?

- Everyday safety management knowledge.
- Emergency protocols tailored to PV systems.
- Enhanced readiness for emergencies.
- Compliance with safety standards.
- Improved safety for people and property.
- It is more than just a course on PV Safety



Contact your PVSTOP Reseller

