



# Solar Photovoltaic Installation and Maintenance Training for Construction Electricians

## Topic:

Solar Photovoltaic Installation and Maintenance Training for Construction Electricians

## Background:

The Construction Electrician (NOC 7241) Solar Photovoltaic (PV) Systems Certified (PVSC) Personnel Certification has been developed by CSA Group in conjunction with the National Electrical Trade Council (NETCO) and industry stakeholders to provide assurance that an individual possesses the competencies deemed necessary to perform the job function of a Solar Photovoltaic Systems Certified electrician.

This certification has been developed in compliance with the ISO 17024 standard. ISO 17024 is the global benchmark for organizations operating personnel certification programs and outlines the methods and procedures required to ensure the objective and unbiased assessment of a candidate's knowledge, skills, and abilities. Passing the PVSC examination will indicate that the candidate possesses the knowledge, skills, and decision-making abilities necessary to practice the proper techniques to pre-plan, implement, configure, install, commission, troubleshoot and maintain solar PV systems.

## Course Curriculum:

Section 1 – Introduction to Photovoltaics

Section 2 – Components of PV Systems

Section 3 -Grid Systems

Section 4 – Energy Storage

Section 5 – Standalone Systems

Section 6 – Codes and Bylaws for PV Installations

Section 7 – Review Quiz

Final Exam