Electricity and Circuits 2 Assignment – Grounding and Bonding

# Objective

To become familiar and understand the importance of grounding and bonding

# Assignment

## Part 1 – Basics

Research grounding and bonding terminology and the following:

* Equipment grounding conductor
* Grounding electrode conductor
* Grounding electrode
* Bonding jumper
* Purpose of grounding systems
* Purpose of bonding systems
* Purpose of earthing systems
* Difference between grounding, bonding, and earthing

## Part 2 – PV Systems

When designing a PV system, what size cables are needed for the safe installation of the system to protect both the equipment and the personnel?

* Research your answer
* Reference materials that substantiate your answer