

**Duties:**

1. Solar PV electrical installations
  - a. Grid tied inverter installations with integration to the incoming supply
  - b. Battery backup installations with integrated PV either full or partial backup
  - c. Commissioning of systems
  - d. Setting up of internet monitoring
  - e. Installation of monitoring systems
2. Solar system maintenance
  - a. Pre-emptive maintenance inspections
  - b. Callouts from client
3. Minor electrical works
  - a. Separating essential and non essential consumers
  - b. Energy efficiency measures such as changing lights and appliances.
4. Diverse tasks
  - a. Review and update material lists
  - b. Update project progress lists such as Trello
  - c. Team communication via WhatsApp

**Knowledge and skills:**

1. Single phase electrical systems
2. 3 phase electrical systems
3. Electrical testing and measuring
4. Electrical fault finding procedures
5. Grid tied inverters
6. Battery inverters
7. Hybrid inverters
8. Solar PV systems
9. SANS 10142-1 (Edition 2)
10. NRS 097 Part 2: Small-scale embedded generation
11. Internet systems iro connection to solar pv systems monitoring
12. Computer literate

**Qualifications:**

1. Applicable NQF level qualification for Electricians
2. Wireman's licence, mandatory
3. COC testing and sign-off single phase - mandatory
4. COC testing and sign-off 3 phase, must be added within 12 months

**Experience:**

1. Minimum of 5 years prove experience in electrical industry

**Requirements:**

1. South African citizen
2. Valid drivers licence
3. Forklift endorsement
4. Police clearance
5. Working at heights certificate – can be done after appointment

If you meet the requirements of this role, please send your CV to [hiring@treetopssolar.co.za](mailto: hiring@treetopssolar.co.za)  
Please note only shortlisted applicants will be contacted.