



## Solar Electrical Technician

<https://www.energyjobline.com/job/1338811/solar-electrical-technician/>

We are searching for an experienced Solar Electrical Technician based in Truro.

### Primary Duties and Responsibilities:

The Solar Farm Electrical Technician is a site-based role performing operational and maintenance duties on utility-scale solar plants at or above 5 MW in size. The overall purpose of the role is to ensure the solar plants achieve outstanding levels of safety and performance at minimum cost.

The ideal candidate will be a fully qualified electrician with experience operating and maintaining MW-scale solar plants. You will need to be located near the operational plants (Cornwall, Devon) and have a full driving licence. This is a permanent role and will require availability for weekend on-call duties. Occasional travel and overnight stays away will be required. Overtime and callout arrangements are in place for the role.

Applicants with HV authorization or inverter corrective maintenance / field service experience will be at a distinct advantage.

A vehicle, phone and PPE will be included as part of the role. Strong candidates may have the opportunity to work towards Authorised Person (AP) or Senior Authorised Person (SAP) status, or develop other specialisms within RES.

The responsibilities of the Solar Farm Electrical Technician include:

- Adherence to health and safety requirements at all times and helping to maintain and improve safety standards across the solar plants
- Achieve and maintain Authorised Person status commensurate with training received, experience gained and in-line with individual job role requirements
- Undertaking planned inspection and maintenance according to legal, technical, manufacturer and contractual requirements
- Undertaking AC and DC testing, troubleshooting and fault-finding
- Carry out reactive maintenance, fault diagnosis and resolution in a timely manner
- Inspection, testing and maintenance of PV modules, DC string combiner boxes and string inverters
- Troubleshooting and repairs on sensors and communication equipment including RS485, Ethernet and fibre optic networks
- Configuration of computer-based devices and components, including firmware updates
- Occasionally assisting with ground maintenance or mechanical work
- Physical and dexterous work to replace components and undertake maintenance activities
- Carrying out inductions for sub-contractors and monitoring their work
- Keeping accurate maintenance records and compiling reports
- Keeping in close communication with the O&M office
- Occasionally working away from home for training courses or to cover other sites for up to 1 week at a time
- Other duties commensurate with the role

### Knowledge:

Essential

- Strong technical understanding of AC, DC and communications networks
- Good knowledge and understanding of solar PV technology

Desirable

- Knowledge of central inverters highly desirable
- Principles of High Voltage operations

**Skills and Attributes:**

Essential

- Strong approach to safe working practices
- Excellent communication skills
- Attention to detail
- Positive, can-do attitude
- Ability to work both independently and as part of a team
- Able to respond to changing priorities and emergent issues
- Enthusiasm for personal development
- Strong problem-solving skills
- Computer skills for writing reports, reporting progress and communicating by email

**Experience:**

Essential

- Previous Solar PV maintenance experience, ideally on MW-scale or large commercial systems
- Experience of working remotely without close supervision

Desirable

- Solar PV installation experience (MW-scale or large commercial ground-mount)
- Experience installing or maintaining ethernet and fibre optic communications
- Experience working with SCADA or data monitoring systems
- Central inverter experience
- High Voltage experience

**Qualifications:**

Essential

- Full UK driving licence
- 18th edition qualified

Desirable

- Inspection and testing qualifications (C&G 2391 or 2394/5) highly valued
- First aid qualifications
- Health & Safety qualifications (e.g. IOSH, SSSTS, CSCS)
- Advanced electrical qualifications
- Central inverter training qualifications
- High Voltage qualifications and authorisations

Our company provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics.

**Recruiter RES Group ;Location Site Based ; Salary Competitive ; Ref req357 ;Sector Renewables ;Category Management ; Contract Type Permanent ;Hours Full Time**