

Skills Bootcamp in Solar PV & EESS Systems

What are Skills bootcamps?

Skills bootcamps are substantially funded 60-hour training programmes, which enable Sole Traders and SMEs to upskill in Level 2/3 accredited training.

This programme has been mapped against UK Regulatory Framework and National Level descriptors. It meets the requirements of the minimum Technical Competency document for Solar PV and Electrical Energy Storage Systems, in accordance with the IET Code of Practice, and the updated BS 7671: 2018 Requirements for Electrical Installations (18th Edition).

It is recognised as a demonstration of competence for the Microgeneration Certification Scheme (MCS).

Funded by the Department for Education (DFE), as part of the Government's Lifetime Skills Guarantee.

Our comprehensive 8-day training programme will equip you with the knowledge and hands-on experience needed to design, install and maintain Solar PV and EESS systems, one of the most effective solutions for renewable energy heating.



DAY 1 Solar PV Theory

1. Understanding the principles of photovoltaic technology
2. Benefits of a PV system in relation to Economic and Environmental
3. Advantages and disadvantages of a PV system
4. Types of PV system in relation to Grid-connection systems and Off-grid systems (Stand-alone systems)
5. Regulations and industry standards MCS standards, IET Code of Practice for Solar PV and BS 7671 Wiring Requirements
6. Smart Export Guarantee

DAY 2 Solar PV Theory

1. Solar radiation and its impact on power generation. Power productions and estimations
2. Inverters, DC and AC circuits, charge controllers. Legal considerations related to solar PV installations
3. System calculations
4. Wiring practices
5. Testing and inspection methods
6. System designs and calculations

DAY 3 Solar PV Theory

1. System designs and calculations
2. Commissioning and hand-over,
3. Power productions and estimations
4. Inspection, Testing DC & AC, Documentation
5. Legal considerations related to solar PV installations
6. Functional Tests

For more information speak to our technical team.

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Station Rd, Langley, SL3 8BY

To register,
SCAN Code



www.greenskills.london
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DAY 4 Solar PV Design

1. Mounting and fixing solar panels
2. Maintenance and Fault finding and rectification
3. Cabling and wiring connections
4. Investor installation and configuration

DAY 5 Solar PV practical

1. Data logging and performance monitoring
2. System optimisation and adjustments
3. Maintenance and fault finding routine
4. Trouble shooting techniques
5. Repair and replacement procedures

DAY 6 Solar PV practical

1. Introduction to Electrical Energy Storage Systems (EESS) (battery storage)
2. Legislation, Standards, and Industry guidance
3. Preparation for Design and Installation
4. Design and Installation

DAY 7 EESS

1. Initial Verification methods relevant to EESS
2. Handover and DNO Notification
3. References & Related Documents
4. Abbreviations & Specialist Terms

DAY 8 EESS

Practical demonstration: Hands-on training with real solar PV system components is crucial for effective learning.



Essie Khodadoust

A highly experienced electrical tutor, boasting over 20 years of industry experience, offers comprehensive instruction in electrical installation. Students gain a deep understanding of electrical science within an engaging and vibrant learning atmosphere



Nicky Petrou

Electrical Tutor specializing in solar panel installation and with over 10 years of experience in the electrical industry. Provides students with practical, industry-relevant training in a dynamic learning environment.

Who we work with

NP Electrics
& Testing

H Housing
Solutions

<< carbon
rewind

Testimonials

1. Carbon Rewind

"Good course – very useful to have a practicing electrician come and have a little chat with us"

2. Housing Solutions

"The course was set out well and broken down into sections. Tutors were good, I have taken away the understanding of Solar PV systems, how it works and installation"

3. Home Installations

"The course was delivered well. I have taken away a good knowledge of the topics"

