



Level 4 Award in Understanding Solar PV and Battery Storage Systems in Domestic Buildings

Qualification Specification

610/7867/0
AwardUSPVBSSDBL426

August
2026

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1. ABBE

1.1 Introduction

ABBE, the Awarding Body for the Built Environment, is a forward-thinking organisation that offers a range of qualifications, benefits and support.

ABBE is regulated by Ofqual for the delivery of a range of qualifications. Our qualifications are nationally recognised helping learners to achieve their full potential and ambitions.

The full range of qualifications can be found on our website at www.abbqa.co.uk

1.2 Mission Statement

Our Values - Quality through Standards: Our aim is to provide a high-quality experience by building a strong community of mutual support and trust. We can use our collective talents to build meaningful partnerships to help us all to achieve our goals. ABBE is a recognised Awarding Organisation with strong professional integrity.

Our Vision: Is that every learner is confident, successful and has the opportunity to achieve their full potential.

Our Mission: ABBE Educates, inspires and empowers learners

1.3 Qualification Specification

The aim of this specification is to provide learners and centres with information about the content of this qualification. This specification is a live document and, as such, will be updated when required.

1.4 Enquiries

Any enquiries relating to this qualification should be addressed to:

ABBE

Birmingham City University

Curzon Building

4 Cardigan Street

Birmingham

B4 7BD

Tel: 0121 331 5174

Email: abbeenquiries@bcu.ac.uk

Website: www.abbqa.co.uk



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2. Qualification Information

2.1 Qualification Purpose

Successful achievement of this qualification gives the learner knowledge and understanding relating to Solar PV and Battery Storage Systems in Domestic Buildings. Learners should be able to understand the purpose and operation of these systems as well as the role and professional responsibilities of a surveyor, qualified installers or electrician. They will also need to understand key technical, practical, financial and economic factors that influence the design and sizing of domestic solar PV and battery storage systems including health and safety risks and certification relating to domestic systems. In addition, learners will need to understand the principles, components and design considerations relating to Electric Vehicle (EV) charging points.

Learners wishing to complete this qualification may have some experience within the residential housing industry.

2.2 Who could take this Qualification?

The ABBE Level 4 Award in Understanding Solar PV and Battery Storage Systems in Domestic Buildings is aimed at those seeking to update their knowledge and understanding within residential building industry.

2.3 Qualification Number

ABBE Level 4 Award in Understanding Solar PV and Battery Storage Systems in Domestic Buildings: 610/7867/0

2.4 Qualification Level

This qualification has been listed on the Regulated Qualifications Framework (RQF) at: Level 4

2.5 Total Qualification Time

This qualification is allocated Total Qualification Time (TQT) this includes Guided Learning (GL) expressed in hours, which indicates the number of hours of supervised or directed study time and assessment. Credit has also been allocated to this qualification.

- The Total Qualification Time (TQT) for this qualification is: 50 hours
- Guided Learning (GL) for this qualification is: 40 hours
- Credit Value: 5 credits

2.6 Age ranges

Pre 16	No
16-18	No
18+	Yes
19+	Yes



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2.7 Structure of the Qualification

To achieve this qualification, learners must achieve **1** mandatory unit.

Mandatory Units				
Unit No.	URN	Unit Name	Credit Value	Level
1	H/652/3437	Understanding Solar PV and Battery Storage Systems in Domestic Buildings	5	4

2.8 Grading

This qualification is: Pass/Fail.



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3. Qualification Unit(s)

Unit 1 - Understanding Solar PV and Battery Storage Systems in Domestic Buildings

Unit reference number: H/652/3437

Level: 4

Credit: 5

GLH: 40

Learning outcomes:

1. Understand the purpose and operation of solar PV and battery storage systems in domestic properties
2. Understand the role and professional responsibilities of a surveyor, qualified installers and electricians in relation to photovoltaic (PV) installations
3. Understand the key technical, practical, financial and economic factors that influence the design and sizing of domestic solar PV and battery storage systems
4. Understand the standards, health and safety risks, regulations and certification applicable to domestic solar PV and battery systems
5. Know the risks, defects and poor installation practices through visual-only inspections
6. Understand the impact of solar PV on Standard Assessment Procedure (SAP), Energy Performance Certificate (EPC) and asset management decisions
7. Understand the principles, components and design considerations of Electric Vehicle (EV) charge point installation in domestic properties
8. Understand the principles of monitoring, maintenance awareness and performance of domestic solar PV, battery storage systems and associated electric vehicle (EV) charge points



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