Qualification Title: GQA Level 2 NVQ Diploma for the Installation of Photovoltaic Panels

Qualification Number: 600/1373/4

Qualification Specification

# Who is this qualification for?

This qualification is aimed at those who work as Installers of Photovoltaic Panels, primarily in domestic properties.

The standards cover all aspects of the work required with Photovoltaic Panel Installation, although it stops short of the actual commissioning of the installation so there is no requirement for a qualification in Electrical installation to achieve the qualification. The grouping of optional units should allow all employed in the industry equal opportunity to complete the qualification. The qualification is at Level 2, although there may be individual units at other levels, and should be taken by those who are fully trained to deal with the installation process, so candidates should require minimum supervision in undertaking the job.

Candidates for this qualification will primarily be working on customers’ premises carrying out the installation of Photovoltaic Panels.

Candidates could have jobs entitled:

* PV Installer
* Installer
* PV Technician

# Entry requirements

There are no formal entry requirements for learners undertaking this qualification. However, centres must ensure that learners have the potential and opportunity to gain the qualification successfully.

# Qualification support

This qualification has been designed and developed by GQA Qualifications with the support of Proskills.

# Regulatory information

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| --- | --- |
| Countries offered in:  | England, Northern Ireland |
| Qualification type: | Occupational Qualification |
| Subject/sector areas  | Building and construction |
| Qualification operational start date:  | 01-Apr-2011 |
| Qualification end date:  | 31-Dec-2019 |
| Applicable age ranges (years):  | 16-18, 19+ |

# Further information

Further information about this qualification can be obtained from: [www.gqaqualifications.com/qualifications](http://www.gqaqualifications.com/qualifications)

You can also contact GQA Qualifications directly at:

GQA Qualifications Ltd, Unit 1, Provincial House, Sheffield S4 7WW.

Tel 01142 720033, email to info@gqaqualifications.com

# Qualification achievement

This has 7 mandatory units and a group of optional units. Candidates should achieve all 7 mandatory units, plus a minimum of 8 credits from the optional units. This makes the minimum credit value of the qualification 54 credits.

GQA qualifications are made up of units that have a credit value or credits. These credits must be achieved in the correct combination of mandatory and optional units. Qualifications are now required to indicate the total qualification time (TQT), this is to show the typical time it will take someone to attain the required skills and knowledge to meet the qualification criteria.

The units of assessment set out learning outcomes which describe what learners need to be able to do and understand. The learning outcomes are defined by assessment criteria which are used to assess competence, expressed as skills achieved and learned knowledge and understanding, to achieve the units. Achievement of the mandatory unit and optional units will mean the qualification has been completed and will be subject to approval of a claim for certification. GQA Qualifications will issue a certificate complete with the learner’s name, the qualification and unit titles and the credits achieved.

# Qualification Structure

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| --- | --- |
| **Qualification Title:**  | GQA Level 2 NVQ Diploma for the Installation of Photovoltaic Panels |
| **Qualification Number (QAN):** | 600/1373/4 |
| **Total Credits:** | 49 |
| **Total Qualification Time (TQT):** | 490 |
| **Guided Learning Hours (GLH):** | 265 |
| Learners must achieve 7 mandatory units, plus a minimum of 8 credits from the optional units. |
| **Mandatory units**  |
| **Unit number**  | **Title**  | **Level** | **Credit** |
| A/600/7364 | Communicating and working with others in the glass and related working environments | 2 | 3 |
| D/502/9721 | Use access equipment to work at heights | 2 | 4 |
| J/502/9650 | Maintain health and safety in the photovoltaic panel installation working environment | 2 | 5 |
| L/502/9651 | Confirm PV panel installation requirements | 2 | 3 |
| L/502/9715 | Knowledge of photovoltaic systems | 3 | 6 |
| M/502/972 | Locate, test, handle and position photovoltaic panels prior to installation | 3 | 6 |
| T/502/9823 | Understanding the procedure to follow after the discovery of materials containing asbestos cement exposed during the PV installation process | 2 | 2 |
| **Optional units – Group A (Credits: 3 Minimum, 3 Maximum)** |
| R/502/9800 | Prepare the structure for photovoltaic panel installation - existing structure | 2 | 5 |
| T/502/9725 | Prepare the structure for photovoltaic panel installation - new build | 2 | 3 |
| **Optional units – Group B (Credits: 14 Minimum, 14 Maximum)** |
| K/502/9687 | Fix photovoltaic panels onto a roof structure | 2 | 8 |
| M/502/9657 | Fix photovoltaic panels into a roof structure | 3 | 8 |
| M/502/9688 | Fix photovoltaic panels onto a non-roof structure | 2 | 6 |
| **Optional units – Group C (Credits: 3 Minimum, 3 Maximum)** |
| H/502/9722 | Post photovoltaic installation activities | 2 | 3 |
| R/503/0400 | Ensure the glass related installation is completed safely and handed over to the customer | 3 | 5 |

# Assessment

The qualification must be assessed using the following assessment method:

* Portfolio of Evidence,
* E-assessment.

Learners are required to achieve all learning outcomes within units of assessment. All assessment is subject to internal quality assurance within approved centres providing this qualification. External quality assurance of assessment and internal quality assurance within approved centres is provided by GQA Qualifications.