SITE survey. APP

SITE SURVEY REPORT

Solar Installation Site Survey

Prepared for	G. Lister (homeowner)
Date	26 Sep 2026
Site	22 Holly Road, Harrogate
Prepared by	C. Whitfield

FORM

Solar Installation Site Survey

1. Record details and scope

Project	22 Holly Road, Harrogate: solar PV site survey (completed example)
Site or premises address	22 Holly Road, Harrogate
Client or organisation	G. Lister (homeowner)
Record date	26 Sep 2026
Person completing the record	C. Whitfield, surveyor, Nidd Valley Solar Ltd

> This is a preliminary site evidence record, not structural approval, an electrical design, generation forecast, planning consent or permission to access a roof.

2. Proposal and access

Proposed array area and client requirements	Array on the rear roof slope, about 10 panels if space allows. Client wants a battery in the garage.
Site position	Rear garden, by the back door · 53.991180, -1.541370 (SE 30167 55112, ±5 m)
Site plan and roof drawing reference	Sketch plan SP-HR22-01 drawn on site
Survey access method and excluded areas	Roof viewed from the ground, the rear bedroom window and the loft only. No roof access; front slope seen from the street.
Roof age, construction and available records	1930s semi-detached house. Concrete interlocking tiles, replaced about 25 years ago. Client has no roof records.

3. Roof and surroundings

Roof or site area 1: A1, rear main roof

Area ID	A1, rear main roof
Orientation (the way the roof face looks)	South
Pitch (degrees)	35
Usable width along the eaves (m)	4.4

Usable width along the eaves (m): measuring photo



Usable length up the slope, eaves to ridge (m)	3.9
This area: usable area (m²)	17.2
This area: orientation	Good
Other dimensions, obstructions and how they were measured	Usable width measured from the photo against the back door, from 0.5 m off the party wall to 0.5 m short of the hip. Rafter length measured in the loft. Rafters at 400 mm centres.
Visible condition and fragility concerns	Tiles generally sound from below, some moss along the eaves. Chimney stack on the party wall. Torn sarking felt near the ridge seen from the loft, daylight visible. Rafters dry.
Obstructions, shading and observation time	Neighbour's chimney shades the left edge of the slope in the late afternoon. Observed at 15:30.

Area photos from safe access





Roof or site area 2: A2, front main roof

Area ID	A2, front main roof
Orientation (the way the roof face looks)	North
Pitch (degrees)	35
Usable width along the eaves (m)	4.6
Usable length up the slope, eaves to ridge (m)	3.9
This area: usable area (m²)	17.9
This area: orientation	Poor: check the yield before proposing
Other dimensions, obstructions and how they were measured	Width paced from the street and checked against the rear, rafter length taken as the rear slope.
Visible condition and fragility concerns	Tiles sound from the street. Faces north onto the road. Not proposed.
Obstructions, shading and observation time	In shade from the house itself for most of the day.

Area photos from safe access



Roof or site areas surveyed	2
Total usable area (m²)	35.1
Areas facing south east to south west, or flat	1

> Usable area is width times slope length from the figures entered. It is a survey estimate for the designer, not a layout: edge zones, fire access and fixings will reduce what fits.

4. Installation interfaces

Structural assessment needed and engineer reference	Structural engineer to check rafters for panel and fixing loads. Referred to Kirkgate Structures, ref KS-2026-338.
Supply, meter, equipment location and cable route observations	Single-phase supply, meter and consumer unit in the hall cupboard. Cable route from the loft down the rear bedroom cupboard. Battery position in the attached garage to be agreed.
Fire access, separation and emergency information to resolve	Rooftop isolation and fire service labelling to be designed. Battery position in the garage to be agreed with the designer.
Planning, building control and network permission references	Not in a conservation area, confirmed by the client. Network notification to be made by the installer.

5. Design handover

Missing information and specialist surveys	Rafter sizes measured, timber grade unknown. Felt condition needs repair before installation. Shading figures estimated from one afternoon visit only.
Designer receiving the survey	D. Haigh, PV designer, Nidd Valley Solar Ltd
Constraints to carry into design	No roof access without scaffold. Neighbour's chimney shading on the left side. Felt repair needed near the ridge. Front slope faces north and is not proposed.

6. Actions and review

Are further actions required?	Yes

Further action 1: Send loft photos and measurements to the structural engineer

Action and evidence reference	Send loft photos and measurements to the structural engineer
Person responsible	C. Whitfield
Target date	29 Sep 2026
Action status	Completed
Completion evidence	Emailed to Kirkgate Structures 28 September, ref KS-2026-338.

Further action 2: Arrange a roofer to repair the torn felt near the ridge before installation

Action and evidence reference	Arrange a roofer to repair the torn felt near the ridge before installation
Person responsible	G. Lister
Target date	24 Oct 2026
Action status	Open

Outstanding limitations and information to pass on	No roof access. Slope dimensions are survey estimates from a photo, the street and the loft. Not a design or a generation forecast.
Record status	Ready for review
Reviewed by	D. Haigh
Review date	29 Sep 2026
Author signature	

Signing records the information entered. It does not itself certify legal compliance, remove a limitation or authorise unsafe work.