



- DESIGN
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SOLAR PHOTOVOLTAIC SURVEY FORM F02				Rev8 28/09/2026	Project Number:		PV-260184	
CUSTOMER CONTACT DETAILS				PROJECT DETAILS				
Contact Name:	Mr James Carter		Site Usage?	Domestic		Type of property? (semi/terraced/detached)	Semi Detached	
Customer Address:	24 Hawthorn Close		(e.g. School, Domestic, Industrial/ Office Unit)		Roof Area (approx.) m ²	42		
			Size of system required?	5.2	kW	Age of property?	1936	
	Coventry		(check roof area required)	√		Property has an EPC certificate Band D or higher?	√	
Post code:	CV5 6QJ		Battery/EESS proposed? (Yes/No)	Yes		Is an existing renewable technology installed?	No	
Main Tel :	024 7612 4587		Proposed Battery Location:	Garage		Current electricity provider & network operator?	Octopus Energy / National Grid Electricity Distribution	
Mobile:	07700 900 400		Annual electricity consumption – kWh/year			Standard electricity rate	28.4	p/kWh
Email:	james.carter@example.com		5,850			Off-peak electricity rate (if applicable)	8.5	p/kWh
Site Details (if different to Contact Details):			Copy of customer bill obtained?	√		Existing Meter MPAN number:	20 0000 1234 567	
			Planning permission required?	X		Planning permission obtained? ✓ x		
Contact Name:	Mr James Carter		Desired date for completion?	November 2026		Number of people living in the property?	4	
Address	14 Earl Street		Customer Preferences?		NAME OF SURVEYOR			
	Coventry		Battery storage; black panels preferred; retain clear access to loft hatch.					
Post code	CV5 6QJ							
Main Tel	024 7612 4587							
Mobile	07700 900 400		Independent roofing survey required?	X		Date of survey	01/10/2026	
E-mail:	james.carter@example.com		Pictures Attached		Mains Meter	√	Loft	√
Grid Reference:	SP 320 785				Roof	√	F/R/Side view of house	√
						Distribution board	√	

SOLAR PHOTOVOLTAIC SURVEY FORM /Continued Rev8 28/09/2026

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ROOFING DETAILS

Number of roof areas / arrays proposed: 2

Roof No	Array Inclination (Angle from horizontal)?	Orientation in degrees	Shading? (Yes/No)	Shade Factor (SF)*	Describe Shading	Shading from tree or structure (detail below):
1	35°	180°	No	1.00	None significant	Clear southern aspect; no material near or far shading.
2	35°	270°	Yes	0.92	Late afternoon	Neighbouring mature tree approximately 18 m west; limited late-afternoon shading.
3						

*No near or far shading = SF 1.00. Otherwise determine likely losses due to shade using MCS 032 Appendix A, or an equivalent or better method. SF = 1 – Estimated Loss

ROOFING DETAILS Roof 1

New roof	☒	Existing Roof	☒	Array Inclination (angle from the horizontal)?	35°	Style of roof?	Pitched
Integrated	☒	Above roof	☒	Orientation in degrees	180°	(e.g. Gable, Hip, Gambrel, Flat, Mansard, Shed)	
Type of roof covering?				Condition of existing roof?		Access restrictions?	
Concrete Tile				Good		Good	
(eg.. tile, slate, felt, gravel, corrugated/plastic/steel)				(eg. Missing tiles, heaving moss, rot)		(eg.. trees, no path, garage, conservatory, etc)	
Slope length ridge to eaves (m) approx.	5.4	Lower width (m) approx.	6.3	Upper width if different (m) approx.	6.3	Any obstacles, windows, chimneys?	One small rooflight; chimney to east of proposed array.

ROOFING DETAILS Roof 2

New roof	☐	Existing Roof	☒	Array Inclination (angle from the horizontal)?	35°	Style of roof?	Pitched
Integrated	☐	Above roof	☒	Orientation in degrees	270°	(e.g. Gable, Hip, Gambrel, Flat, Mansard, Shed)	
Type of roof covering?				Condition of existing roof?		Access restrictions?	
Concrete Tile				Good		Good	
(eg.. tile, slate, felt, gravel, corrugated/plastic/steel)				(eg. Missing tiles, heaving moss, rot)		(eg.. trees, no path, garage, conservatory, etc)	
Slope length ridge to eaves (m) approx.	4.1	Lower width (m) approx.	3.2	Upper width if different (m) approx.	3.2	Any obstacles, windows, chimneys?	Soil vent pipe near lower edge; maintain required clearance.

ROOFING DETAILS Roof 3 NOT APPLICABLE

New roof	☐	Existing Roof	☐	Array Inclination (angle from the horizontal)?		Style of roof?	
Integrated	☐	Above roof	☐	Orientation in degrees		(e.g. Gable, Hip, Gambrel, Flat, Mansard, Shed)	
Type of roof covering?				Condition of existing roof?		Access restrictions?	
(eg.. tile, slate, felt, gravel, corrugated/plastic/steel)				(eg. Missing tiles, heaving moss, rot)		(eg.. trees, no path, garage, conservatory, etc)	
Slope length ridge to eaves (m) approx.		Lower width (m) approx.		Upper width if different (m) approx.		Any obstacles, windows, chimneys?	

LOFT DETAILS

Access to loft?	☒	Space between rafters (mm)	420	Size of rafters (mm)	100 x 50	Size of loft hatch (mm)	700 x 550	Is the loft boarded?	☒
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ELECTRICAL ASSESSMENT

Method of connection to consumer unit?	Metering arrangements (location, meter type)?	Proposed location of inverter?
Dedicated circuit from consumer unit via AC isolator	Existing smart meter in external meter box	Garage wall adjacent to consumer unit
Estimated length of AC cable from inverter to the fuse board?	6 m	Earth testing? ☒
Estimated length of DC cable from array to the inverter?	18 m	Size of MCB required in the consumer unit? 32A

Provide any other information below: