BrightPath SOLAR SOLUTIONS
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12 Green Lane
Market Town
Leicestershire
LE16 9AB

Tel 0116 123 4567
Email info@brightpathsolar.co.uk
Web www.brightpathsolar.co.uk

SOLAR PHOTOVOLTAIC SURVEY FORM F02

Rev8 28/09/2026

Project Number: PV-260184

--Preview Version Only--

CUSTOMER CONTACT DETAILS

Contact Name:	Mr James Carter
Customer Address:	24 Hawthorn Close
	Coventry
Post code:	CV5 6QJ
Main Tel :	024 7612 4587
Mobile:	07700 900 400
Email:	james.carter@example.com

Site Details (if different to Contact Details):

Contact Name:	Mr James Carter
Address	14 Earl Street
	Coventry
Post code	CV5 6QJ
Main Tel	024 7612 4587
Mobile	07700 900 400
E-mail:	james.carter@example.com
Grid Reference:	SP 320 785

PROJECT DETAILS

Site Usage?	Domestic		
(e.g. School, Domestic, Industrial/ Office Unit)			
Size of system required?	5.2	kW	
(check roof area required)	√		
Battery/EESS proposed? (Yes/No)	Yes		
Proposed Battery Location:	Garage		
Annual electricity consumption kWh/year	5,850		
Copy of customer bill obtained?	√		
Planning permission required?	X		
Desired date for completion?	November 2026		
Customer Preferences?			

Battery storage; black panels preferred; retain clear access to loft hatch.

Independent roofing survey required?	X		
Pictures Attached	Mains Meter	√	
	Roof	√	

Type of property? (semi/terraced/detached)	Semi Detached		
Roof Area (approx.) m^2	42		
Age of property?	1936		
Property has an EPC certificate Band D or higher?	√		
Is an existing renewable technology installed?	No		
Current electricity provider & network operator?	Octopus Energy / National Grid Electricity Distribution		
Standard electricity rate	28.4	p/kWh	
Off-peak electricity rate (if applicable)	8.5	p/kWh	
Existing Meter MPAN number:	20 0000 1234 567		
Planning permission obtained? ✓ ×			
Number of people living in the property?	4		

NAME OF SURVEYOR

A. Surveyor

Date of survey	01/10/2026				
	Loft	√	F/R/Side view of house	√	
	Distribution board	√			

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

Project Number: PV-260184

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	N/A	N/A	N/A	N/A	N/A	N/A

*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	X	Existing Roof	√	Array Inclination (angle from the horizontal)?	35°	Style of roof?	**Pitched**
Integrated	X	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	X	Existing Roof	√	Array Inclination (angle from the horizontal)?	35°	Style of roof?	Pitched
Integrated	X	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.

Preview Version Only

ROOFING DETAILS Roof 3 NOT APPLICABLE

New roof	N/A	Existing Roof	N/A	Array Inclination (angle from the horizontal)?	N/A	Style of roof?	N/A
Integrated	N/A	Above roof	N/A	Orientation in degrees	N/A	*(e.g. Gable, Hip, Gambrel, Flat, Mansard, Shed)*	

Type of roof covering?	Condition of existing roof?	Access restrictions?
N/A	N/A	N/A
(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.	N/A	Lower width (m) approx.	N/A	Upper width if different (m) approx.	N/A	Any obstacles, windows, chimneys?	N/A

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?	√	Size of MCB required in the consumer unit?	32A
Estimated length of DC cable from array to the inverter?	18 m				

Provide any other information:	Consumer unit accessible. Proposed inverter/battery in garage. Cable route available via loft. No significant access restrictions. Final cable routes to be confirmed prior to installation.

"Add Images" **<<<**Double click here to insert images. You can select multiple images by holding CTRL key. Add captions in the row underneath.
To Rotate image. Click on image to select, click ECO ribbon above, Rotate Clockwise.

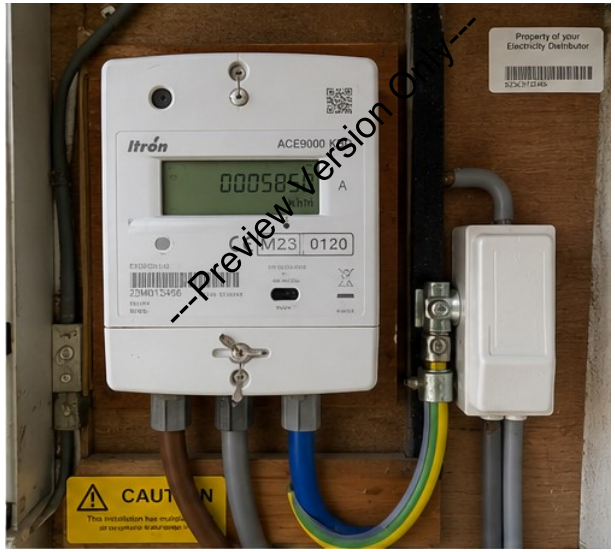
Side view of house

Front view of house

---Preview Version Only---

Rear view of house

Distribution Board



Mains Meter

Loft

---Preview Version Only---