



RIBBLE VALLEY
BOROUGH COUNCIL

FOR THE
ATTENTION OF

12 SEP 2011

For office use only

Application No

320110736P

Date received

Fee paid £

Receipt No:

Council Offices, Church Walk, Clitheroe, Lancashire. BB7 2RA Tel: 01200 425111 www.ribblevalley.gov.uk

Householder Application for Planning Permission for works or extension to a dwelling.
Town and Country Planning Act 1990

Publication of applications on planning authority websites.

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website.

If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

Title:	Mr	First name:	John	Surname:	Groom
Company name:					
Street address:	Cross House		Telephone number:	Country Code	National Number
	Back Lane				Extension Number
	Grindleton		Mobile number:		
Town/City:	Clitheroe		Fax number:		
County:	Lancashire		Email address:		
Country:	UK				
Postcode:	BB74RW				
Are you an agent acting on behalf of the applicant?					
☒ Yes ☐ No					

2. Agent Name, Address and Contact Details

Title:	Mr	First Name:	Jonathan	Surname:	Smith
Company name:	Ecoliving				
Street address:	1 Bank Terrace		Telephone number:	Country Code	National Number
					Extension Number
			Mobile number:		
Town/City:	Simonstone		Fax number:		
County:	Lancashire		Email address:		
Country:	UK				
Postcode:	BB127NW		jonathan.smith@ecolivingk.com		

3. Description of Proposed Works

Please describe the proposed works:

Installation of a 4kW black solar PV array to the front and rear facing aspects of the detached garage

Has the work already been started
without planning permission?

☐ Yes ☒ No

4. Site Address Details

Full postal address of the site (including full postcode where available)

Description:

House:		Suffix:	
House name:	CROSS HOUSE		
Street address:	BACK LANE		
	GRINDLETON		
Town/City:	CLITHEROE		
County:			
Postcode:	BB7 4RW		
Description of location or a grid reference (must be completed if postcode is not known):			
Easting:	375885		
Northing:	445779		

5. Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicle access proposed to or from the public highway?

☐ Yes ☒ No

Is a new or altered pedestrian access proposed to or from the public highway?

☐ Yes ☒ No

Do the proposals require any diversions, extinguishment and/or creation of public rights of way?

☐ Yes ☒ No

6. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

☐ Yes ☒ No

7. Trees and Hedges

Are there any trees or hedges on your own property or on adjoining properties which are within falling distance of your proposed development?

☐ Yes ☒ No

Will any trees or hedges need to be removed or pruned in order to carry out your proposal?

☐ Yes ☒ No

8. Parking

Will the proposed works affect existing car parking arrangements?

☐ Yes ☒ No

9. Authority Employee/Member

With respect to the Authority, I am:

- (a) a member of staff
- (b) an elected member
- (c) related to a member of staff
- (d) related to an elected member

Do any of these statements apply to you?

☐ Yes ☒ No

10. Site Visit

Can the site be seen from a public road public footpath bridleway or other public land?

☒ Yes ☐ No

If the planning authority needs to make an appointment to carry out a site visit whom should they contact? (Please select only one)

☒ The agent ☐ The applicant ☐ Other person

11. Materials

Please state what materials (including type, colour and name) are to be used externally (if applicable):

Others - description:

Type of other material:

Kioto ME EC Black Solar PV Panels

Description of existing materials and finishes:

None

Description of proposed materials and finishes:

Black anodised frame with black laminate solar PV panels

11. (Materials continued)

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Are you supplying additional information on submitted plan(s)/drawing(s)/design and access statement?

☒ Yes ☐ No

If Yes, please state references for the plan(s)/drawing(s)/design and access statement:

1a - Design Statement
1b - Proposed Elevations
1c - Location Plan
1d - Site Plan

12. Certificates (Certificate A)**Certificate of Ownership - Certificate A****Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12**

I certify/The applicant certifies that on the day 21 days before the date of this application nobody except myself/ the applicant was the owner (owner is a person with a freehold interest or leasehold interest with at least 7 years left to run) of any part of the land or building to which the application relates.

Title: First name: Surname: Person role: Declaration date: ☒ Declaration made**12. Certificates (Agricultural Land Declaration)****Agricultural Land Declaration****Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12**

Agricultural Land Declaration - You Must Complete Either A or B

(A) None of the land to which the application relates is, or is part of an agricultural holding ☒(B) I have/The applicant has given the requisite notice to every person other than myself/the applicant who, on the day 21 days before the date of this application, was a tenant of an agricultural holding on all or part of the land to which this application relates as listed below: ☐

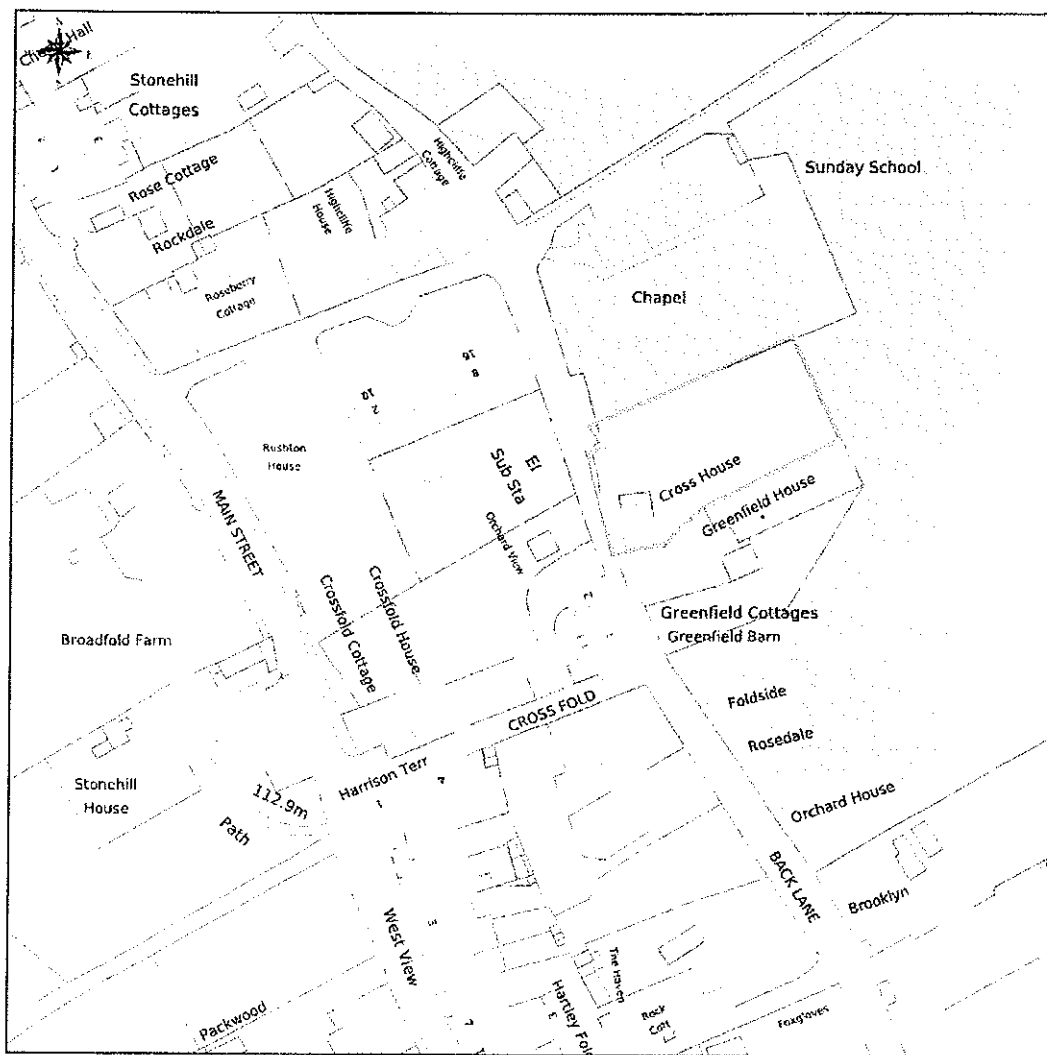
If any part of the land is an agricultural holding, of which the applicant is the sole tenant the applicant should complete part (B) of the form by writing sole tenant - not applicable in the first column of the table below

Title: First Name: Surname: Person role: Declaration date: ☒ Declaration Made**13. Declaration**

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information.

Date:

320110736P



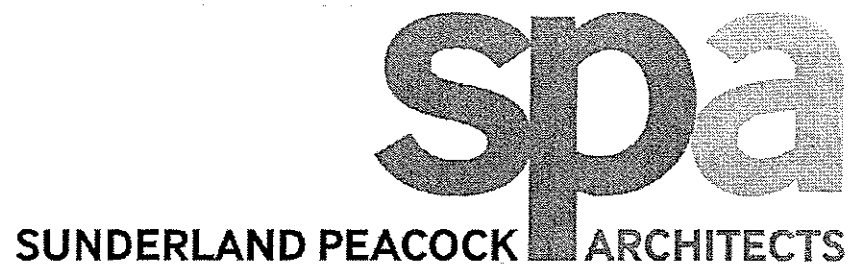
This Plan endorses the following Licensed Data: OS MasterMap Colour PDF Site Plan by the Ordnance Survey National Geographic Database and incorporating surveyed revision available at the date of production. Reproduction in whole or in part is prohibited without the prior permission of Ordnance Survey. The representation of a road, track or path is no evidence of a right of way. The representation of features as trees is no evidence of a property boundary. © Crown copyright. All rights reserved 2011. Licence number 0100031673

Scale: 1:1250, paper size: A4

plans ahead by **emapsite**

Prepared by: Jonathan Smith, 12-09-2011

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HERITAGE STATEMENT

CROSS HOUSE, BACK LANE, GRINDLETON

September 2011

EXISTING SITE AND KNOWN HISTORY

Cross House is positioned on the north eastern edge of the village of Grindleton. The house is located on Back Lane, and has open fields to the rear of the property. Cross House is a stone built dwelling, with a detached rendered garage with slate roof within the curtilidge. The house is situated within the Grindleton Conservation Area (the conservation area boundary is shown in Figure 1). The closest building of historic interest to Cross House is the Sunday school which is on the site directly to the north of Cross House; this building is a focal building and a building of townscape merit. The Sunday school building is not however in close proximity to Cross House, this is because the Sunday school is located in the northern edge of its curtilidge, and Cross House is located at the southern edge of its site, as seen in Figure 1.

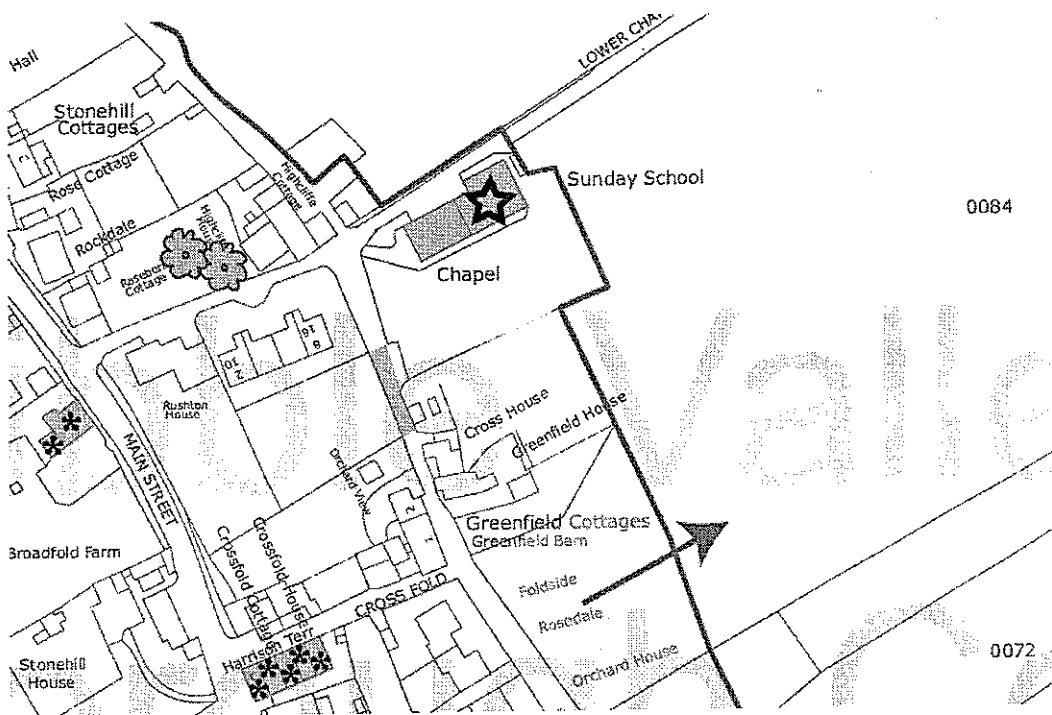


Figure 1. Extract from the Grindleton Conservation Area Map, showing Cross House, with the Sunday school to the North. The Sunday school is marked as a focal building and building of townscape merit, all the other buildings in close proximity to Cross House have no special significance within the conservation area.



Figure 2. Photograph of detached garage at Cross House.

JUSTIFICATION FOR THE PROPOSED WORKS

The proposed work to Cross House is as follows:-

- 20 photovoltaic panels mounted on the detached garage roof, 14 of which will be on the west elevation and 6 of the east elevation.

The proposed addition of 20 photovoltaic panels will have a low visual impact on the surrounding area, as the garage is single storey, there are no properties opposite and Back Lane is very quiet. The proposal is also in line with the government's stance on promoting the use of microgeneration technology to achieve its carbon emissions goals. The electricity generated by this system is calculated to be over 3,400Kwh per annum, which would save around 2 tonnes of CO₂ being released into the atmosphere by a coal fired power station. This type of sustainable energy will not only save the client money long term, but also provide an environmentally friendly way of producing electricity.

EVALUATION OF THE IMPACT OF THE SCHEME

The proposed photovoltaic panel's scheme will have a positive impact on the environment as mentioned above. The negative impact photovoltaic panels sometimes have, such as the appearance of the grid pattern associated with standard aluminium frames, has been minimised due to the fact black laminate and black frames are to be used. This type of solar panel will blend in seamlessly with the natural slates. Cross House, although on the site adjacent to the Sunday school, is remote enough from the Sunday school for the proposals to have no impact on this building of townscape merit.

LOUISE GILL

320110736 P

DESIGN STATEMENT
For The Proposed Installation of Photovoltaic panels
at
Cross House
Back Lane
Grindleton
Clitheroe
Lancashire
BB7 4RW

Ecoliving
1 Bank Terrace, Simonstone, Burnley, Lancashire, BB12 7NW

1. Existing

1.1 General description

Cross House is a stone built domestic dwelling with a detached rendered garage with slate roof. The external walls of the garage are cement rendered with natural stone quoins and the roof is a pitched roof with natural slate

2. Proposal

The proposed alterations are intended to generate electricity from solar energy during the daylight hours for use on site, with the surplus being sold to the national grid.

Detached garage as viewed from Back Lane



2.1 Siting

The panels are proposed to be sited on the east and west side of the barn (front and rear elevations) and can only be seen from the bridleway, which is the unadopted road allowing access route to the few properties on that section of Back Lane. Under the proposal, 20 photovoltaic panels will be mounted on the detached garage roof approximately 300mm below the ridge height with 14 on the west, front facing roof and 6 to the east side rear facing part of the garage. The panels will protrude above the roof slates by 150mm and will be difficult to see from any neighbouring buildings.

3. Design

3.1 Size

The photovoltaic panels measure 1000mm x 1500mm x 33mm and an array of 20 solar panels will be mounted on roof to finish 150mm above the roofline.

3.2 Colour

The proposed photovoltaic panels have a black appearance due to the colour of the laminate within a black metal frame

3.3 Visual impact

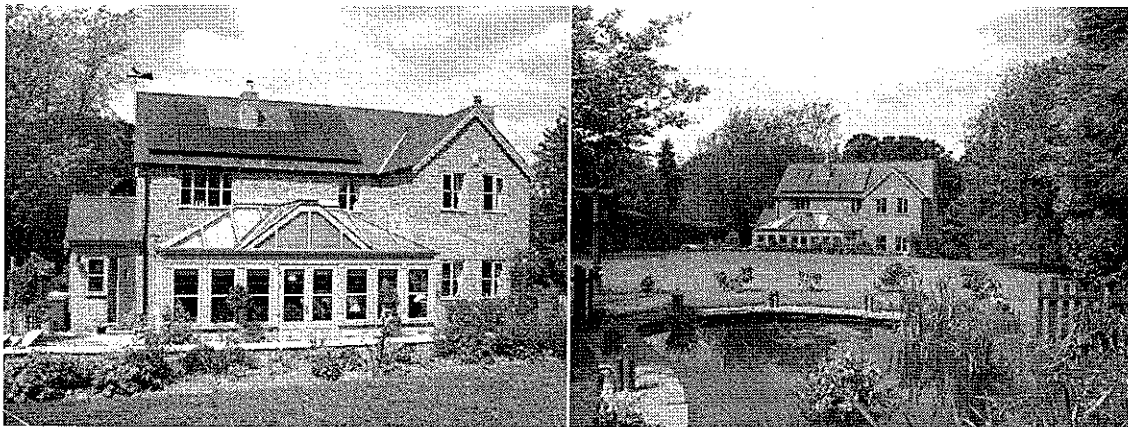
The black laminate and black frame will blend in with the natural slates and reduce the 'grid' effect from the standard specification panels with aluminium frames. There would be a low visual impact as the garage is single storey, there are no properties opposite and Back Lane is a very quiet lane used by the property owners and immediate neighbours.

3.4 Environmental impact

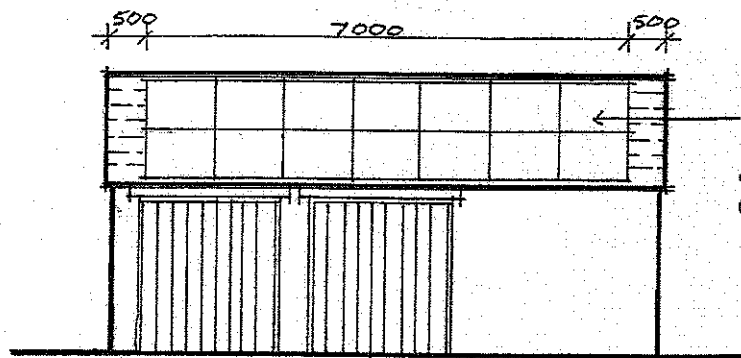
The proposed panels have no moving parts and emit no sound or radiation. The UK government is promoting the use of microgeneration technology to achieve its carbon emission goals. The electricity generated by this system is calculated to be over 3,400Kwh per annum, which would save around 2 tonnes of CO₂ being released into the atmosphere by a coal fired power station.

3.5 Typical Installation

Black solar PV panels installed to a natural slate roof

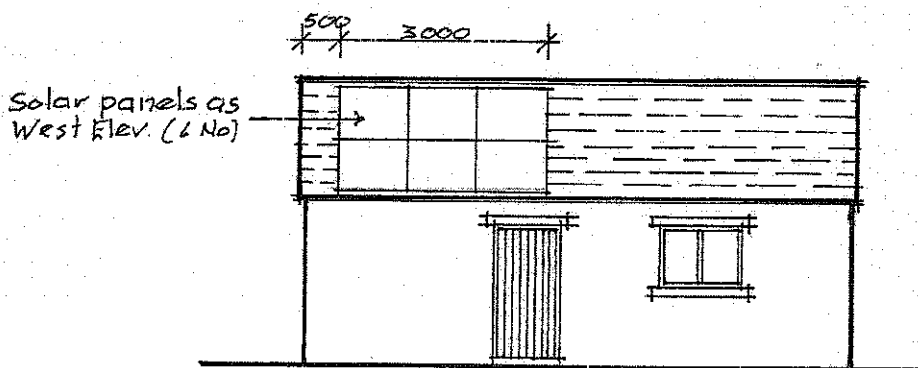


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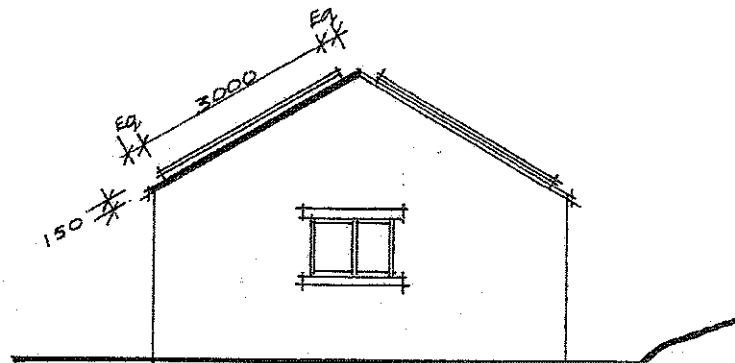
solid black Solar PV
panels 1000x1500
projecting 150 mm
above slate roof
(14 No)

WEST ELEVATION



Solar panels as
West Elev. (6 No)

EAST ELEVATION

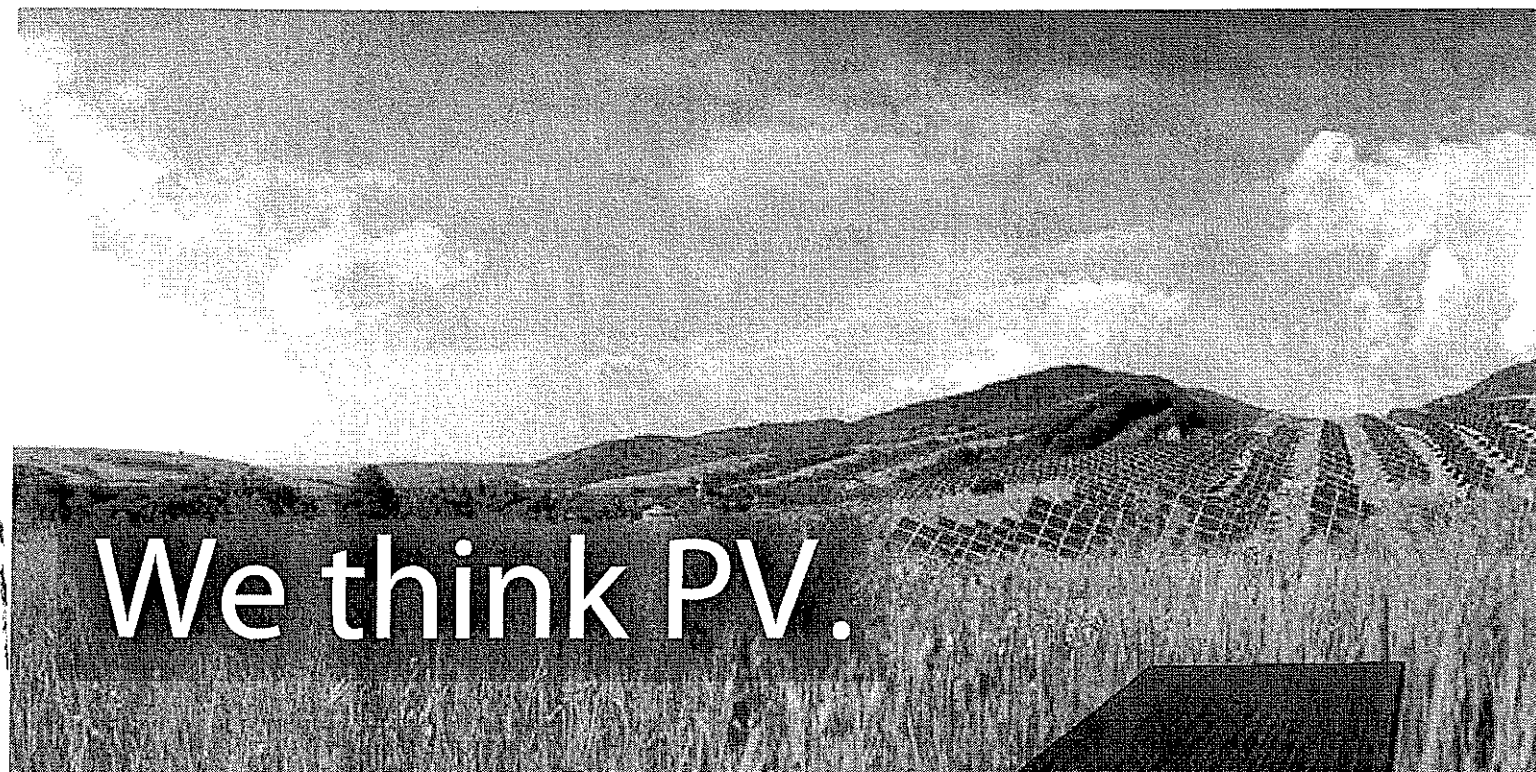


SOUTH ELEVATION

PROPOSED 4KW SOLAR PV ARRAY FOR MR JOHN GROOM
AT CROSS HOUSE, BACK LANE, GRINDLETON Scale 1:100

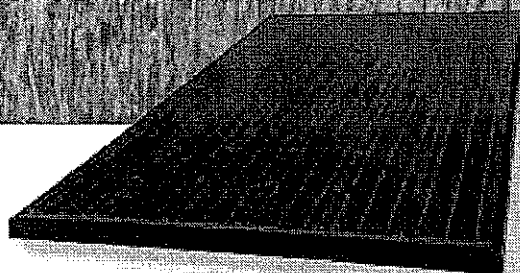
KPV ME EC BlackBlack 210 / 215 / 220 Wp

SOLFEX
energy systems
320110736 P

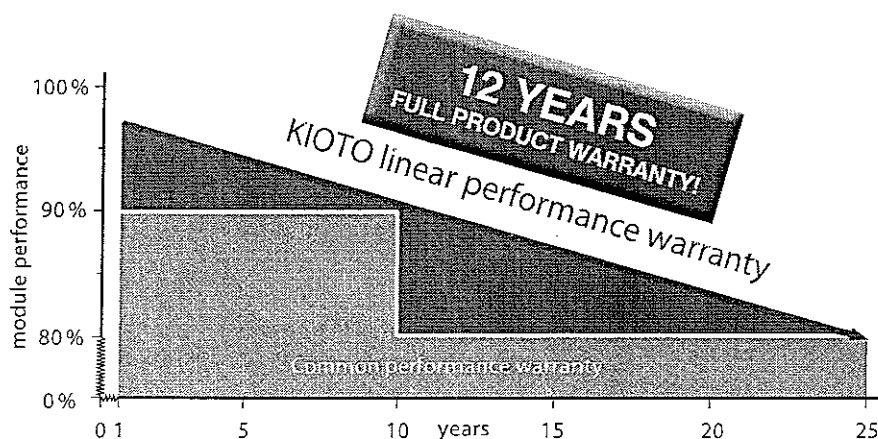


Made in Austria by:

KIOTO
PHOTOVOLTAICS

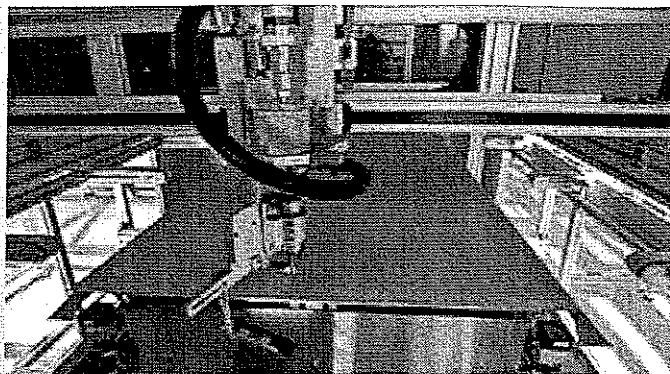


- Market leading 12 year Product Warranty.
- Market leading min 97% efficiency in the 1st year, 0.7% reduction p.a. up to 25yrs.
- Proven in low and diffuse light conditions.
- Manufactured in Austria using only Quality European Photovoltaic cells.
- Successful certification for salt mist corrosion test according to EN 61701: 1999.



25 years linear performance warranty

First class photovoltaic modules from KPV Solar GmbH surpass all the quality standards stipulated in European markets. The highly efficient mono-crystalline solar modules on a 6"-wafer base are manufactured exclusively in Austria using the very latest equipment. Innovative testing ensures exact technical performance data for each individual module. The solar modules with power from 210 to 220 Wp are delivered with aluminium frames and glass fibre reinforced edge connectors. As standard a Tyco junction box is used. Only top-quality solar modules leave the KOTO Photovoltaics GmbH production line. These output and profit optimized solar modules are designed mainly for the use in on grid systems.



KPV ME EC BlackBlack

Power Classes:

Type	P _{mp} _{Wp}	U _{mp} _M	I _{mp} _A	U _{oc} _M	I _{sc} _A	efficiency rate	area per kWp
KPV 210 ME	210 Wp	25.81 V	8.28 A	32.06 V	8.86 A	14.05 %	7.09 m ²
KPV 215 ME	215 Wp	25.97 V	8.31 A	32.42 V	8.95 A	14.38 %	6.93 m ²
KPV 220 ME	220 Wp	25.99 V	8.49 A	32.54 V	9.08 A	14.72 %	6.77 m ²

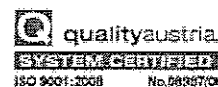
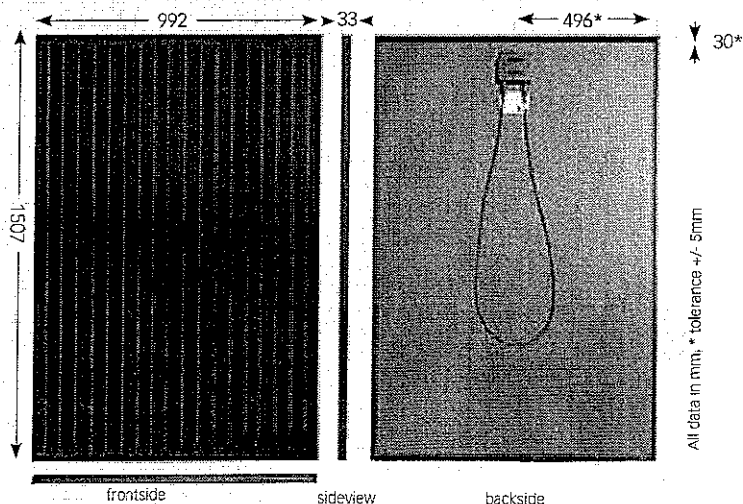
Electrical Data:

54 mono-crystalline cells:	156mm x 156mm
Connecting System:	Tyco-Solarlok® plug in connector 4 mm ²
Max. system voltage:	1000 V DC
Power tolerance:	(+ 3% / - 0%)*
Temperature coefficients:	P _{mp} = -0.51 %/K U _{oc} = -120mV/K I _{sc} = +2.7mA/K
Standard test conditions (STC):	AM1.5 / 1000W per m ² / 25°C
Ambient temperature:	+ 85°C to - 40°C
Cable length:	2000mm
Bypass diodes:	3 pcs. Tyco SL1515
Efficiency guarantee:	min. 97% in the first year, afterwards max. 0.70% reduction p.a. up to 25 years
Product guarantee:	12 years

* Measurement: STC (standard test conditions)

Technical Data:

With aluminium frame:	1507 mm x 992 mm x 33 mm (+/-2 mm)
Laminate:	1500 mm x 985 mm x 4.5 mm (can height 22.5 mm)
Weight with/without frame:	16.50 kg / 15.50 kg
Glass specification:	Solar glass ESG 3,2mm
Encapsulation material:	Etimex
Backside material:	Isovoltaic
Test certificate:	IEC 61215, Ed 2 incl. mechanical load test up to 5400 Pa, IEC 61730, IP 65, protection class II
Extended hail test:	grainsize 25mm, max. velocity of 46m/s (165.6km/h)



Photovoltaic Power

SOLFEX energy systems
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Bamber Bridge, Preston
Lancashire, PR5 6PS

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