

20 AUG 2012

FOR THE
ATTENTION OF

For office use only

Application No: 320120774P

Date received

Fee paid £

Receipt No:

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

Application for Planning Permission.
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:	D	Surname:	Bovingdon
Company name:					
Street address:	C/o Agent		Telephone number:	Country Code	National Number
					Extension Number
Town/City:			Mobile number:		
County:			Fax number:		
Country:			Email address:		
Postcode:					
Are you an agent acting on behalf of the applicant? ☒ Yes ☐ No					

2. Agent Name, Address and Contact Details

Title:	Mr	First Name:	Alan	Surname:	Kinder
Company name:	Avalon Town Planning Ltd				
Street address:	2 Reedley Business Centre Redman Road		Telephone number:	Country Code	National Number
	Reedley				Extension Number
Town/City:	Burnley		Mobile number:		
County:	Lancashire		Fax number:		
Country:	United Kingdom		Email address:		
Postcode:	BB10 2TY		planning@avalontp.co.uk		

3. Description of the Proposal

Please describe the proposed development including any change of use:

Change of use of agricultural land to form a compound to house solar panels for domestic use

Has the building work or change of use already started?

☐ Yes ☒ No

4. Site Address Details

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

House:		Suffix:	
House name:	Lower Monubent Farm Barn		
Street address:	Hellifield Road		
	Bolton-by-Bowland		
Town/City:	Clitheroe		
County:	Lancashire		
Postcode:	BB7 4LY		

Description of location or a grid reference
(must be completed if postcode is not known):

Easting:	379354
Northing:	451780

Description:

5. Pre-application Advice

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

☐ Yes ☒ No

6. 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

Are there any new public roads to be provided within the site?

☐ Yes ☒ No

Are there any new public rights of way to be provided within or adjacent to the site?

☐ Yes ☒ No

Do the proposals require any diversions/extinguishments and/or creation of rights of way?

☐ Yes ☒ No

7. Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste?

☐ Yes ☒ No

Have arrangements been made for the separate storage and collection of recyclable waste?

☐ Yes ☒ No

8. 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

9. Materials

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

Boundary treatments - description:

Description of *existing* materials and finishes:

N/a

Description of *proposed* materials and finishes:

Post and rail fencing

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:

10. Vehicle Parking

320120774P

Please provide information on the existing and proposed number of on-site parking spaces:

Type of vehicle	Existing number of spaces	Total proposed (including spaces retained)	Difference in spaces
Cars	0	0	0
Light goods vehicles/public carrier vehicles	0	0	0
Motorcycles	0	0	0
Disability spaces	0	0	0
Cycle spaces	0	0	0
Other (e.g. Bus)	0	0	0
Short description of Other	N/a		

11. Foul Sewage

Please state how foul sewage is to be disposed of:

Mains sewer

☐

Package treatment plant

☐

Unknown

☒

Septic tank

☐

Cess pit

☐

Other

Are you proposing to connect to the existing drainage system?

☐

Yes

☒

No

☐

Unknown

12. Assessment of Flood Risk

Is the site within an area at risk of flooding? (Refer to the Environment Agency's Flood Map showing flood zones 2 and 3 and consult Environment Agency standing advice and your local planning authority requirements for information as necessary.)

☐

Yes

☒

No

If Yes, you will need to submit an appropriate flood risk assessment to consider the risk to the proposed site.

Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)?

☐

Yes

☒

No

Will the proposal increase the flood risk elsewhere?

☐

Yes

☒

No

How will surface water be disposed of?

☐

Sustainable drainage system

☐

Main sewer

☐

Pond/lake

☒

Soakaway

☐

Existing watercourse

13. Biodiversity and Geological Conservation

To assist in answering the following questions refer to the guidance notes for further information on when there is a reasonable likelihood that any important biodiversity or geological conservation features may be present or nearby and whether they are likely to be affected by your proposals.

Having referred to the guidance notes, is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, OR on land adjacent to or near the application site:

a) Protected and priority species

☐

Yes, on the development site

☐

Yes, on land adjacent to or near the proposed development

☒

No

b) Designated sites, important habitats or other biodiversity features

☐

Yes, on the development site

☐

Yes, on land adjacent to or near the proposed development

☒

No

c) Features of geological conservation importance

☐

Yes, on the development site

☐

Yes, on land adjacent to or near the proposed development

☒

No

14. Existing Use

Please describe the current use of the site:

Agricultural Land

Is the site currently vacant?

☐

Yes

☒

No

Does the proposal involve any of the following?

If yes, you will need to submit an appropriate contamination assessment with your application.

Land which is known to be contaminated?

☐

Yes

☒

No

Land where contamination is suspected for all or part of the site?

☐

Yes

☒

No

A proposed use that would be particularly vulnerable to the presence of contamination?

☐

Yes

☒

No

15. Trees and Hedges

Are there trees or hedges on the proposed development site?

☐ Yes ☒ No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character?

☐ Yes ☒ No

If Yes to either or both of the above, you may need to provide a full Tree Survey, at the discretion of your local planning authority. If a Tree Survey is required, this and the accompanying plan should be submitted alongside your application. Your local planning authority should make clear on its website what the survey should contain, in accordance with the current 'BS5837: Trees in relation to construction - Recommendations'.

16. Trade Effluent

Does the proposal involve the need to dispose of trade effluents or waste?

☐ Yes ☒ No

17. Residential Units

Does your proposal include the gain or loss of residential units?

☐ Yes ☒ No

18. All Types of Development: Non-residential Floorspace

Does your proposal involve the loss, gain or change of use of non-residential floorspace?

☐ Yes ☒ No

19. Employment

If known, please complete the following information regarding employees:

	Full-time	Part-time	Equivalent number of full-time
Existing employees	0	0	0
Proposed employees	0	0	0

20. Hours of Opening

If known, please state the hours of opening for each non-residential use proposed:

Use	Monday to Friday		Saturday		Sunday and Bank Holidays		Not Known
	Start Time	End Time	Start Time	End Time	Start Time	End Time	

21. Site Area

What is the site area?

00.01 hectares

22. Industrial or Commercial Processes and Machinery

Please describe the activities and processes which would be carried out on the site and the end products including plant ventilation or air conditioning. Please include the type of machinery which may be installed on site:

N/a

Is the proposal for a waste management development?

☐ Yes ☒ No

23. Hazardous Substances

Is any hazardous waste involved in the proposal?

☐ Yes ☒ No

24. 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

25. 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: Mr First name: A Surname: Kinder

Person role: Agent

Declaration date: 14/08/2012

☒ Declaration made

25. Certificates (Agricultural Land Declaration)**Agricultural Land Declaration****320120774 P****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:

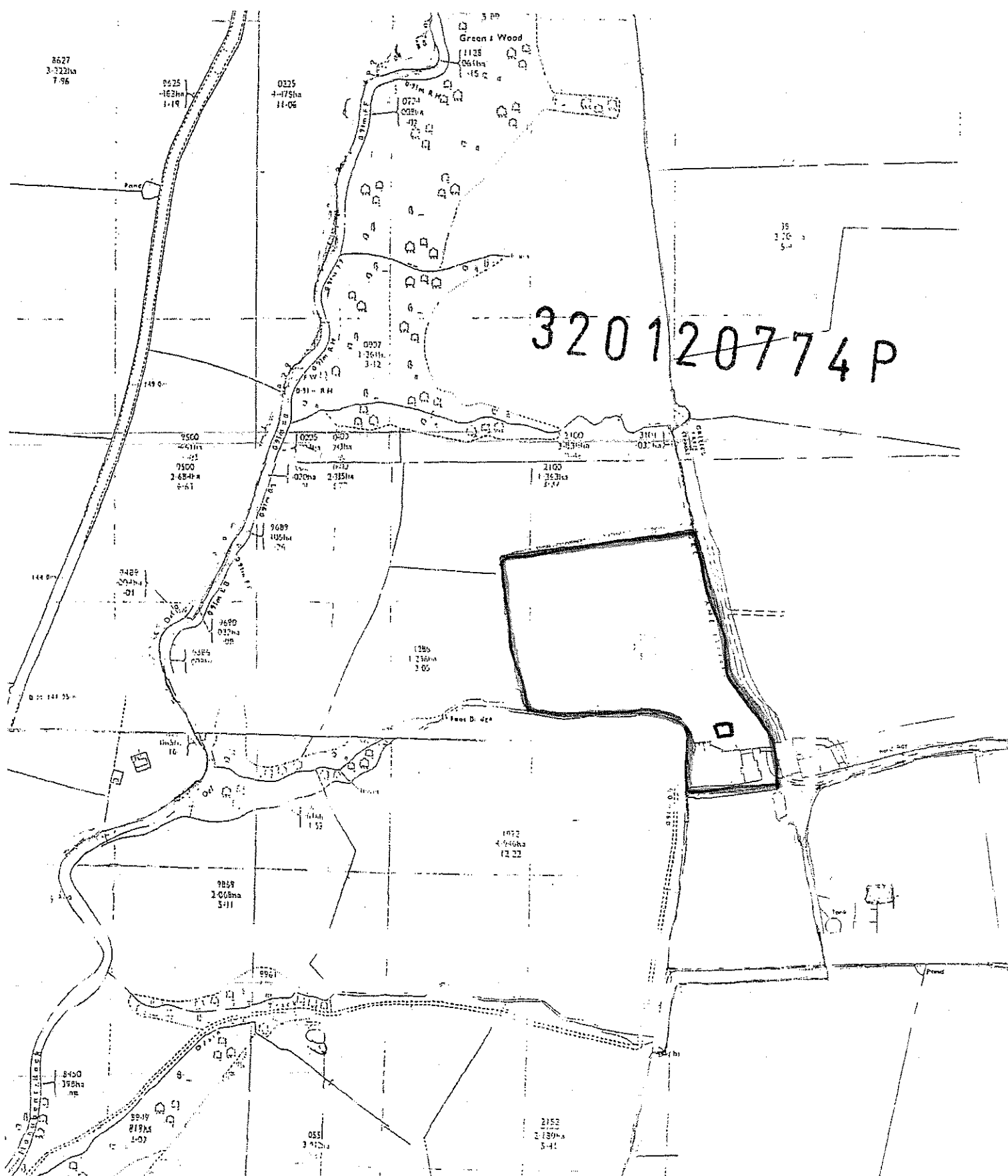
If any part of the land is an agricultural holding of which the applicant is the sole tenant, the applicant should complete part (B) of the form by writing 'sole tenant - not applicable' in the first column of the table below

Title: First Name: Surname:
Person role: Declaration date: ☒ Declaration Made

26. Declaration

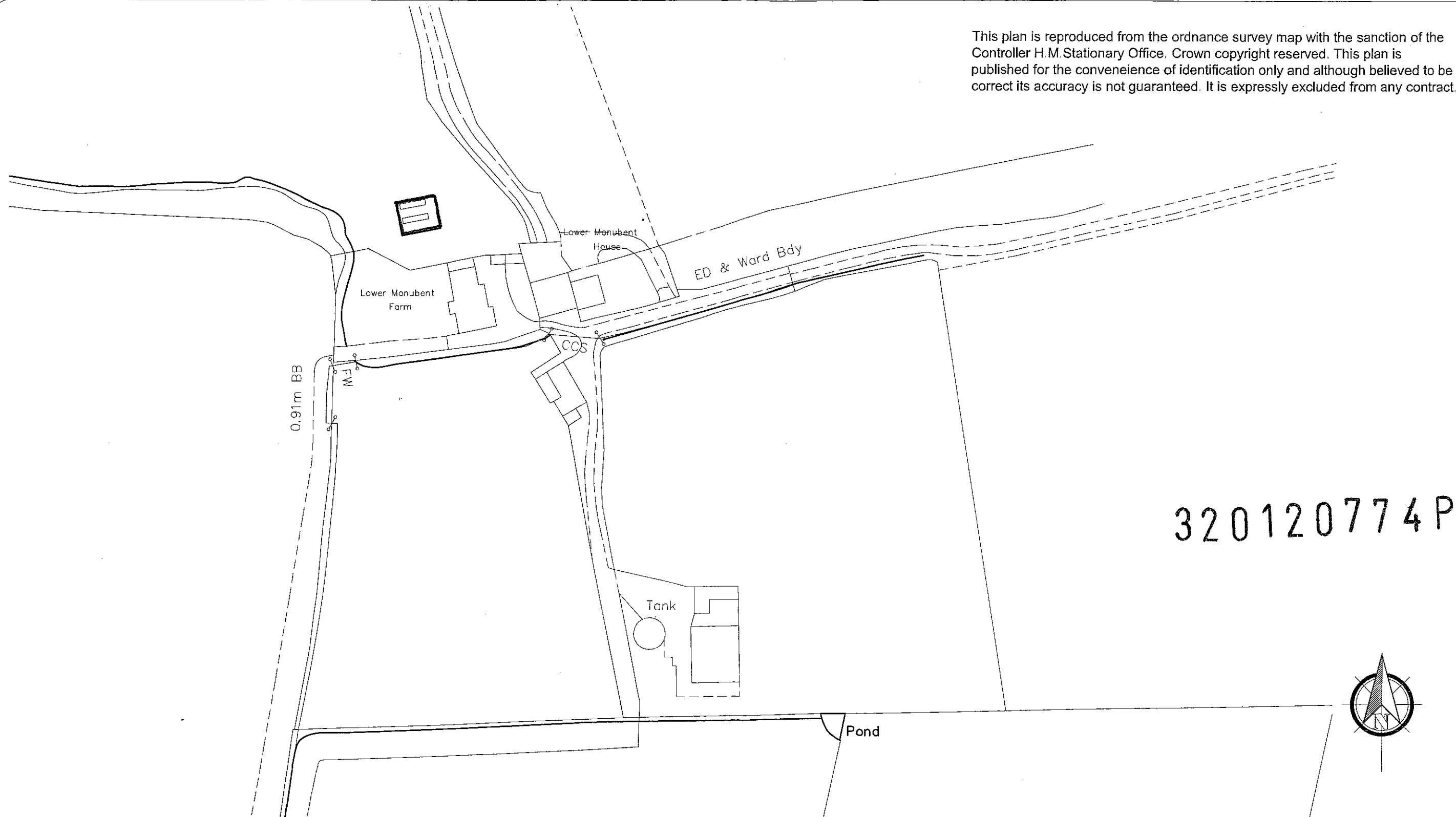
I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information. I/we confirm that to the best of my/our knowledge, any facts stated are true and accurate and any opinions given are the genuine opinions of the person(s) giving them.

☒ Date



Directors: Alan Kinder, Dip. J.P. (Leeds) MRAPI & Val Kendall
 2 Reedley Business Centre, Reedman Road, Burnley, Lancashire BB10 2TJ
Phone: 01282 894336 **Fax:** 01282 51555 **Web:** www.evalonrtp.co.uk **Email:** planning@evalonrtp.co.uk

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320120774P

SITE PLAN

Site: Lower Monubent Farm Barn
off Hellifield Road
Bolton-by-Bowland

Client: Mr D. Bovingdon	
Drawn: DS	
Date: 10.08.12	
Scale: 1:1250 @ A3	
Project No: BOV/03 Dwg 01	
Amendments:	

Notes:
All work is to be carried out to the latest current British standards Codes of Practice and recognised working practices.
All work and materials should comply with Health and Safety legislation and to be approved by the Local Authority Planning / Building Control Officer.
All dimensions are in millimetres unless where explicitly shown otherwise. The contractor should check and clarify all dimensions as work proceeds and notify the design team of any discrepancies. Do not scale off the drawings. If in doubt ask.
Avalon Chartered Town Planning are not liable for work undertaken prior to Full Planning Consent and/or Building Regulations Approval.

Avalon RTPI
Chartered Town Planning

Town Planning - Architectural Design - Building Regulations - Surveying

Phone: 01282 834834 **Fax:** 01282 451666
Web: www.avalontp.co.uk **Email:** planning@avalontp.co.uk
2 Reedley Business Centre, Redman Road, Burnley, Lancashire BB10 2TY

Avalon

Chartered Town Planning



RTPI

mediation of space - making of place

Town Planning - Architectural Design - Building Regulations - Surveying

320120774P

DESIGN AND ACCESS STATEMENT

CHANGE OF USE OF AGRICULTURAL LAND TO FORM FENCED COMPOUND TO HOUSE GROUND MOUNTED SOLAR PHOTOVOLTAIC PANELS

AT

LOWER MONUBENT FARM BARN, OFF HELLIFIELD ROAD,
BOLTON-BY-BOWLAND

August 2012

Directors - Alan Kinder, Dip.T.P.(Leeds) MRTPI & Val Kendall

2, Redley Business Centre, Redman Road, Burnley, Lancashire BB10 2TY

Phone: 01282 934834 Fax: 01282 451566 Web: www.avalontp.co.uk Email: planning@avalontp.co.uk

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1 Assessment

- 1.1 The application site comprises a parcel of agricultural land close to the residential curtilage of Lower Monubent Farm Barn situated in a cluster of buildings at the head of an unadopted access track leading from Hellifield Road, Bolton-by-Bowland.
- 1.2 The property lies in open countryside within the designated Forest of Bowland Area of Outstanding Natural Beauty.
- 1.3 The application property is a converted barn originally adapted in the mid 1990s which has been the subject of a recent upgrade and renovation programme.

2 Involvement

- 2.1 The nature of the application has not necessitated in pre-application discussions with the local planning authority.

3 Evaluation

- 3.1 The property has undergone a recent extensive programme of renewal and refurbishment including a complete internal refit. As part of the upgrade proposals then the opportunity has been taken to improve insulation within the building whilst at the same time incorporating the latest renewable energy technologies including air sourced heat pumps. There has also been a desire to incorporate solar voltaic panels but given the properties origins as an agricultural barn then it would be considered inappropriate to incorporate these onto the roof structure as they would be viewed as visually insensitive and damaging to the character of the building. An earlier application submitted under 3/2012/0103 was not pursued for this very reason.

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4 Design

- 4.1 The panels are to be located in two parallel rows on a concrete pad surrounded with a post and four rail timber fence in order to fence out livestock. The proposed siting has been chosen an appropriate distance away from the property to gain maximum benefit from the sunlight but also to ensure that the installation will not detract from the main house. In all there are 16 panels which are to be set at a 30° angle to the ground in two rows comprising 8 panels each.

5 Access

- 5.1 The proposal raises no issues in respect of access.

High Performance 60 Cell Poly crystalline 156x156mm Solar Photovoltaic Module

Model Number: CNPV-225P to CNPV-250P / Power Range : 225Wp to 250Wp

Typical Electrical Characteristics

Model Number	UOM	Standard PV Modules			Premium PV Modules		
		CNPV-225P	CNPV-230P	CNPV-235P	CNPV-240P	CNPV-245P	CNPV-250P
Rated Maximum Power-Pmax	Wp	225	230	235	240	245	250
Power Tolerance	%	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage-Vmp	V	30.1	30.3	30.5	30.8	31.0	31.2
Maximum Power Current-Imp	A	7.50	7.60	7.70	7.80	7.90	8.00
Open Circuit Voltage-Voc	V	37.0	37.2	37.3	37.4	37.5	37.6
Short Circuit Current-Isc	A	8.10	8.20	8.30	8.40	8.50	8.55
Maximum System Voltage-VDC	V	1000					
Encapsulated Solar Cell Efficiency-ηc	%	15.4	15.8	16.1	16.4	16.8	17.1
Module Efficiency-ηm	%	13.7	14.1	14.4	14.7	15.0	15.3
Solar Cell and Configuration		60 cells(156×156mm/6"×6") in a 6×10 matrix connected in series					
Solar Cell Technology & Size	mm	Poly Crystalline 156×156mm(6"×6")					
Cable Type,Diameter		4mm ² (12AWG), TÜV Certified					
Type of Connector		IP67 Type IV					
Junction Box		IP65 1000VDC, Certified TÜV&UL Certified					
Number of Bypass Diodes & Type		3Nos. Schottky by-pass diodes					
Maximum Series Fuse Rating	A	20					
Temperature coefficient of Power	%/°C	-0.40%/°C(-0.22%/°F)					
Temperature coefficient of Voc	%/°C	-0.30%/°C(-0.17%/°F)					
Temperature coefficient of Isc	%/°C	0.05%/°C(0.028%/°F)					
Nominal Operating Cell Temperature-NOCT	°C	45±2°C(113±3.6°F)					
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² , Cells Temperature 25°C(77°F)					
Operating Temperature	°C	-40~+85°C(-40~+185°F)					
Product Certifications		IEC61215, IEC61730, UL1703&CE					

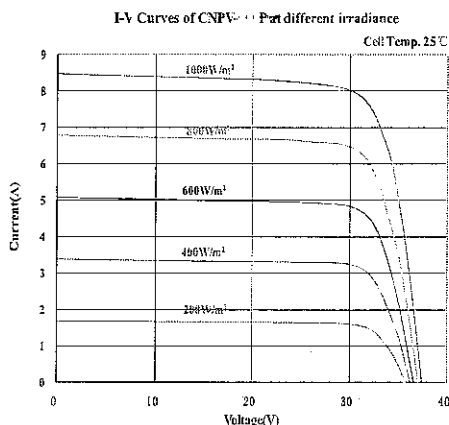
Mechanical & Packaging Characteristics

Dimensions A×B×C	mm	1650×992×40mm(64.96"×39.06"×1.57")
Installation Hole Dimensions E×F	mm	990×941mm(38.98"×37.05")
Cable Length G	mm	1200mm(47.24")
Weight	Kg	20Kg(44lb)
Number of Draining Holes in Frame		8
Construction		Superstrate:High transmission 3.2mm tempered low iron glass;Substrate:White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:silver
Packing Configuration and Quantity per Pallet		24 pcs per carton and one carton per pallet
Container Loading Capacity		624 pcs per 40 ft high cubic container

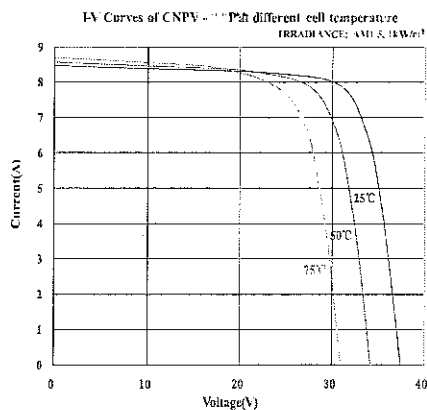
High Performance Poly-Crystalline SPV Module



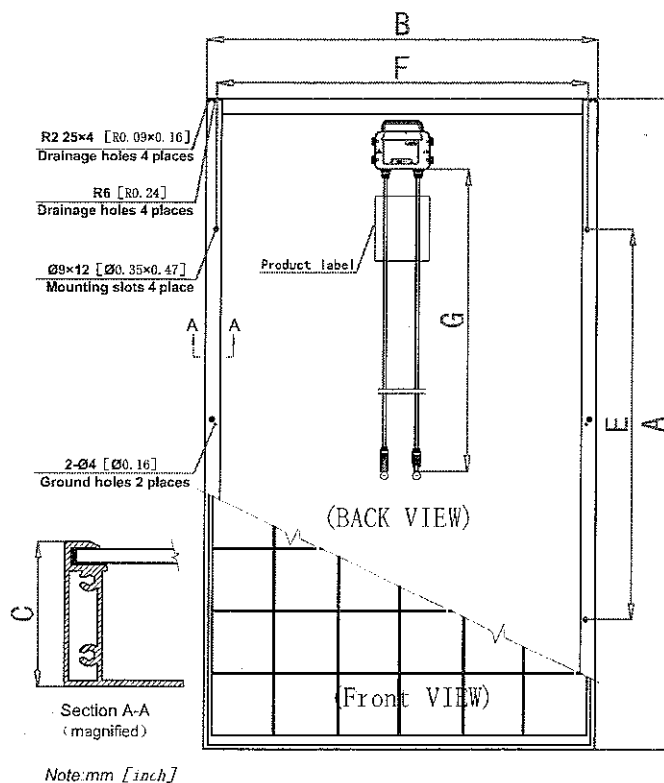
I-V Characteristics at Different Irradiance



I-V Characteristics at Different Temperature



Dimensional Characteristics

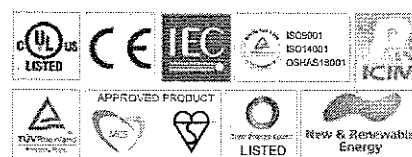


Note: This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information may be found on our website: www.cnpv-power.com

SALIENT FEATURE

3% Positive Tolerance	ARC Glass	70% Fill Factor	Triple Busbar	Larger Diameter
Cell & Module Matching	Smart Junction Box	100% Electro Luminescence	Unique Frame	Mechanical Strength-8000 Pa
International Bankability	Degradation Resistance	10 years Workmanship Warranty	25 years True Linear Warranty	

CERTIFICATIONS



High Performance 60 Cell Poly crystalline 156x156mm Solar Photovoltaic Module

Model Number: CNPV-225P to CNPV-250P / Power Range: 225Wp to 250Wp

Typical Electrical Characteristics

Model Number	UOM	Standard PV Modules			Premium PV Modules		
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Maximum Power Current-Imp	A	7.50	7.60	7.70	7.80	7.90	8.00
Open Circuit Voltage-Voc	V	37.0	37.2	37.3	37.4	37.5	37.6
Short Circuit Current-Isc	A	8.10	8.20	8.30	8.40	8.50	8.55
Maximum System Voltage-VDC	V	1000					
Encapsulated Solar Cell Efficiency- η_c	%	15.4	15.8	16.1	16.4	16.8	17.1
Module Efficiency- η_m	%	13.7	14.1	14.4	14.7	15.0	15.3
Solar Cell and Configuration		60 cells (156x156mm/6"x6") in a 6x10 matrix connected in series					
Solar Cell Technology & Size	mm	Poly Crystalline 156x156mm(6"x6")					
Cable Type Diameter		4mm ² (12AWG), TÜV Certified					
Type of Connector		IP67 Type IV					
Junction Box		IP65 1000VDC Certified TÜV&UL Certified					
Number of Bypass Diodes & Type		3Nos Schottky by-pass diodes					
Maximum Series Fuse Rating	A	20					
Temperature coefficient of Power	%/°C	-0.40%/°C(-0.22%/°F)					
Temperature coefficient of Voc	%/°C	-0.30%/°C(-0.17%/°F)					
Temperature coefficient of Isc	%/°C	0.05%/°C(0.028%/°F)					
Nominal Operating Cell Temperature-NOCT	°C	45±2°C(113±3.6°F)					
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² Cells Temperature 25°C(77°F)					
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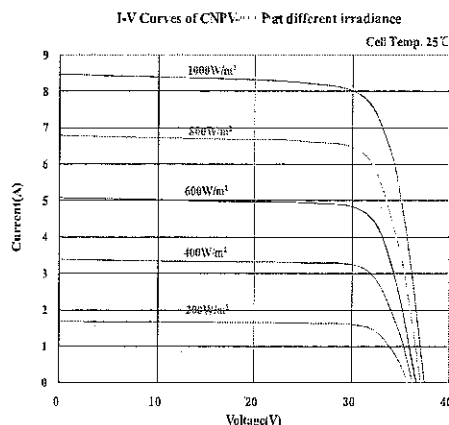
Mechanical & Packaging Characteristics

Dimensions AxBxC	mm	1650x992x40mm(64.96"x39.06"x1.57")
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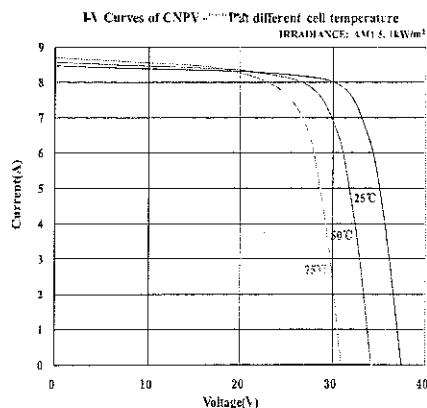
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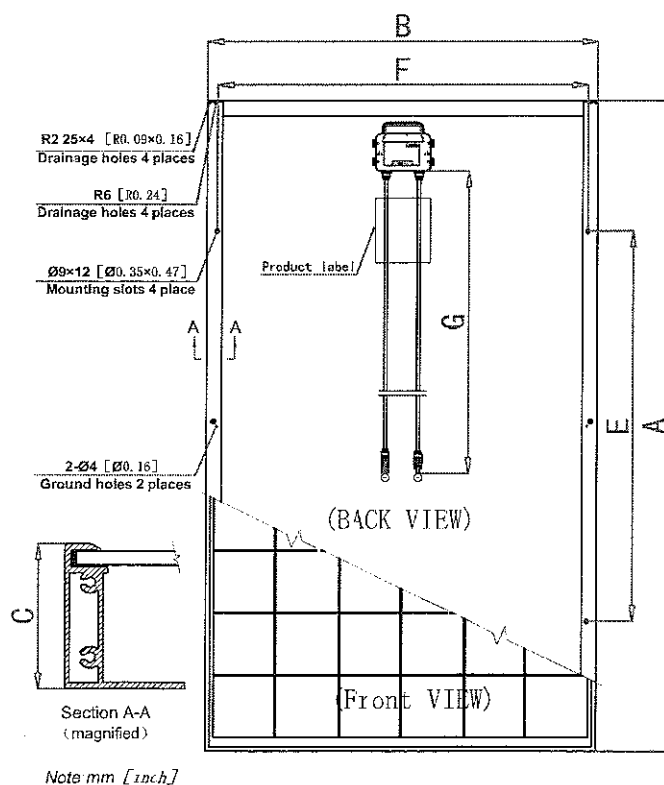
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I-V Characteristics at Different Temperature

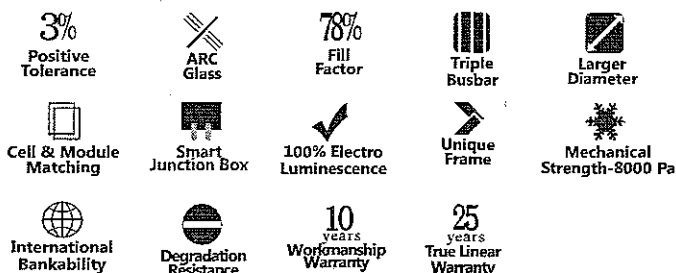


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CERTIFICATIONS



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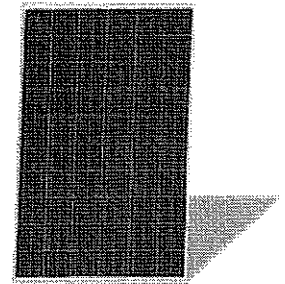
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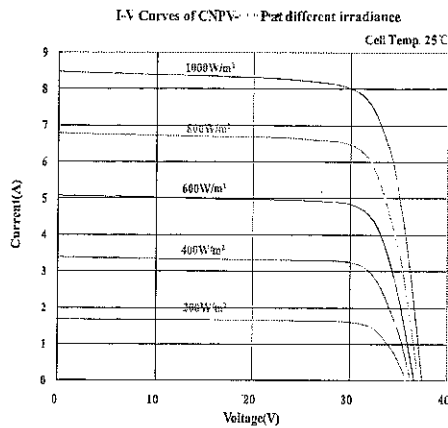
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Cable Length G	mm	1200mm(47.24")
Weight	Kg	20Kg(44lb)
Number of Draining Holes in Frame		8
Construction		Superstrate:High transmission 3.2mm tempered low iron glass;Substrate:White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:silver
Packing Configuration and Quantity per Pallet		24 pcs per carton and one carton per pallet
Container Loading Capacity		624 pcs per 40 ft high cubic container

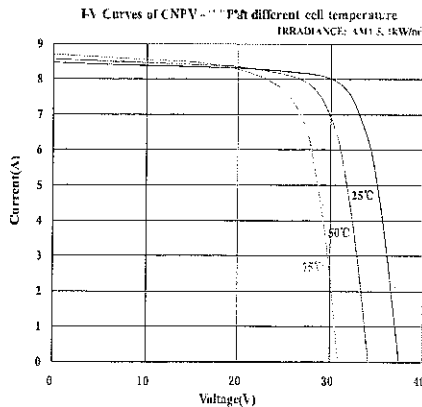


High Performance Poly Crystalline SPV Module

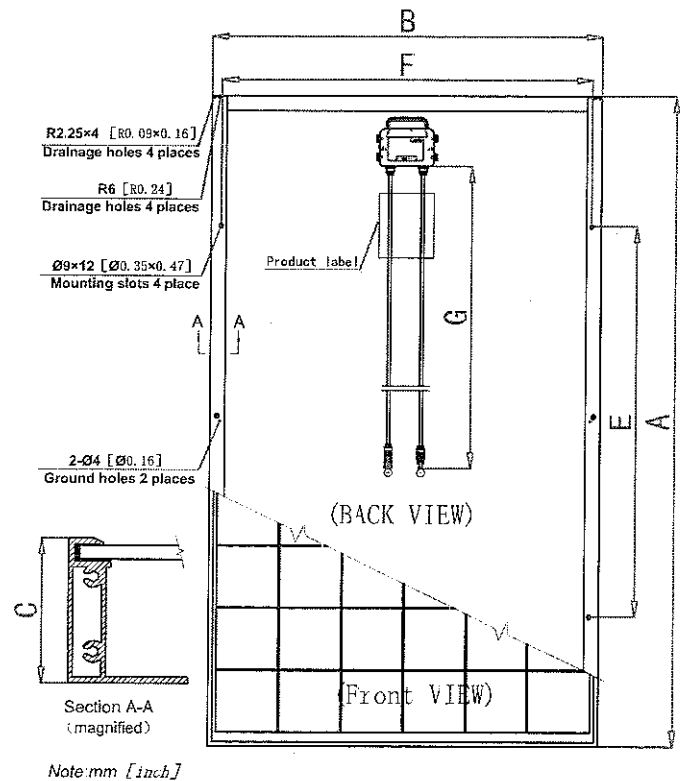
I-V Characteristics at Different Irradiance



I-V Characteristics at Different Temperature

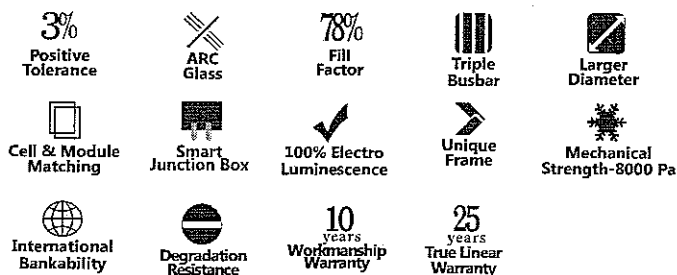


Dimensional Characteristics



Note: This publication summarizes product warranty and specifications which are subject to change without notice. Additional information may be found on our website: www.cnpv-power.com

SALIENT FEATURE



CERTIFICATIONS

