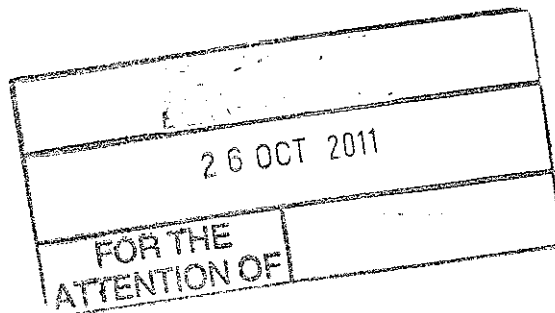




RIBBLE VALLEY
BOROUGH COUNCIL

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



For office use only

Application No: 320110894P

Date received

Fee paid £

Receipt No:

Application for Planning Permission. Town and Country Planning Act 1990

Publication of planning applications on council websites

Please note that with the exception of applicant contact details and Certificates of Ownership, the information provided on this application form and in supporting documents may be published on the council's website.

If you have provided any other information as part of your application which falls within the definition of personal data under the Data Protection Act which you do not wish to be published on the council's website, please contact the council's planning department.

Please complete using block capitals and black ink.

It is important that you read the accompanying guidance notes as incorrect completion will delay the processing of your application.

1. Applicant Name and Address

Title: **MR** First name: **JOHN**
Last name: **HORSFALL**
Company (optional): **FORT VALL ENGINEERING**
Unit: House number: House suffix:
House name:
Address 1: **CALDER PARK**
Address 2: **SIMONSTONE LANE**
Address 3:
Town: **BURNLEY**
County: **LANCASHIRE**
Country: **UK**
Postcode: **BB12 7ND**

2. Agent Name and Address

Title: **MR** First name: **PETER**
Last name: **HITCHEN**
Company (optional): **SOLAR POWER PV LTD**
Unit: House number: House suffix:
House name: **LANCASHIRE HOUSE**
Address 1: **THE SIDINGS BUSINESS PARK**
Address 2:
Address 3:
Town: **WHITLEY**
County: **LANCASHIRE**
Country: **UK**
Postcode: **BB7 9SY**

3. Description of the Proposal

Please describe the proposed development, including any change of use:

PROPOSED 50 KWp SOLAR PHOTOVOLTAIC INSTALLATION ON TWO WEST FACING ROOF SLOPES OF THE PRODUCTION BUILDING.

Has the building, work or change of use already started?

☐ Yes

☒ No

If Yes, please state the date when building, work or use were started (DD/MM/YYYY):

(date must be pre-application submission)

Has the building, work or change of use been completed?

☐ Yes

☒ No

If Yes, please state the date when the building, work or change of use was completed: (DD/MM/YYYY):

(date must be pre-application submission)

4. Site Address Details

Please provide the full postal address of the application site

Unit: House number: House suffix: House name:

Address 1: FORT VALE ENGINEERING

Address 2: CALDER PARK

Address 3: STIMANSCOLE LANE

Town: BURNLEY

County: LANCASHIRE

Postcode (optional): BB2 7ND

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

Easting: Northing:

Description:

5. Pre-application AdviceHas assistance or prior advice been sought from the local authority about this application? ☐ Yes ☒ No

If Yes, please complete the following information about the advice you were given. (This will help the authority to deal with this application more efficiently)

Please tick if the full contact details are not known, and then complete as much as possible: ☐

Officer name:

Reference:

Date (DD/MM/YYYY):
(must be pre-application submission)

Details of pre-application advice received?

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

If you answered Yes to any of the above questions, please show details on your plans/drawings and state the reference of the plan (s)/drawings(s)

7. Waste Storage and Collection

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

☐ Yes ☒ No

If Yes, please provide details:

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

☐ Yes ☒ No

If Yes, please provide details:

8. Neighbour and Community Consultation

Have you consulted your neighbours or the local community about the proposal?

☐ Yes ☒ No

If Yes, please provide details:

9. Council Employee / Member

Is the applicant or agent related to any member of staff or elected member of the council?

☐ Yes ☒ No

If Yes, please provide details:

320110894P

10. Materials

If applicable, please state what materials are to be used externally. Include type, colour and name for each material:

	Existing (where applicable)	Proposed	Not applicable	Don't Know	Drawing references if applicable
Walls			☒	☐	
Roof			☒	☐	
Windows			☒	☐	
Doors			☒	☐	
Boundary treatments (e.g. fences, walls)			☒	☐	
Vehicle access and hard-standing			☒	☐	
Lighting			☒	☐	
Others (please specify)		NEW MONOCRYSTALLINE SOLAR PV PANELS ALUMINIUM FRAMES	☐	☐	

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:

D+A STATEMENT, PHOTOS OF TYPICAL INSTALLATIONS AND
TECHNICAL INFO.**11. Vehicle Parking**

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

Type of Vehicle	Total Existing	Total proposed (including spaces retained)	Difference in spaces
Cars			
Light goods vehicles/ public carrier vehicles			
Motorcycles			
Disability spaces			
Cycle spaces			
Other (e.g. Bus)			
Other (e.g. Bus)			

12. Foul Sewage

Please state how foul sewage is to be disposed of:

- ☐ Mains sewer
 ☐ Cess pit
☐ Septic tank
 ☐ Other
☐ Package treatment plant

Are you proposing to connect to the existing drainage system? ☐ Yes ☐ No

If Yes, please include the details of the existing system on the application drawings and state references for the plan(s)/drawing(s):

✓

13. 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 a 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
 ☐ Existing watercourse
☐ Spokaway
 ☐ Pond/lake
☒ Main sewer

14. Biodiversity and Geological Conservation

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

15. Existing Use

Please describe the current use of the site:

PRODUCTION FACILITY
(ENGINEERING)

Is the site currently vacant?

☐ Yes ☒ No

If Yes, please describe the last use of the site:

When did this use end (if known)? DD/MM/YYYY

(date where known may be approximate)

Does the proposal involve any of the following:

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

If you have answered Yes to any of the above, you will need to submit an appropriate contamination assessment

16. 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 will need to provide a full Tree Survey, with accompanying plan before your application can be determined. 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'.

17. Trade Effluent

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

☐ Yes ☒ No

If Yes, please describe the nature, volume and means of disposal of trade effluents or waste

18. Residential Units (Including Conversion)

Does your proposal include the gain, loss or change of use of residential units?
If Yes, please complete details of the changes in the tables below:

☐ Yes☐ No**Proposed Housing**

Market Housing	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Existing Housing

Market Housing	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Social Rented

Social Rented	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Social Rented

Social Rented	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Intermediate

Intermediate	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Intermediate

Intermediate	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Key worker

Key worker	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Key worker

Key worker	Not known	Number of Bedrooms					Total
		1	2	3	4+	Unknown	
Houses	☐						
Flats and maisonettes	☐						
Live-work units	☐						
Cluster flats	☐						
Sheltered housing	☐						
Bedsit/studios	☐						
Unknown type	☐						
Totals (a+b+c+d+e+f+g) =							

Total proposed residential units (A+B+C+D) =

Total existing residential units (E+F+G+H) =

TOTAL NET GAIN or LOSS of RESIDENTIAL UNITS (Proposed Housing Grand Total - Existing Housing Grand Total):

19. All Types of Development: Non-residential Floorspace

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

☐ Yes☒ No

If you have answered Yes to the question above please add details in the following table:

Use class/type of use	Not applicable	Existing gross internal floorspace (square metres)	Gross internal floorspace to be lost by change of use or demolition (square metres)	Total gross internal floorspace proposed (including change of use) (square metres)	Net additional gross internal floorspace following development (square metres)
A1	Shops	☐			
	Net tradable area:	☐			
A2	Financial and professional services	☐			
A3	Restaurants and cafes	☐			
A4	Drinking establishments	☐			
A5	Hot food takeaways	☐			
B1 (a)	Office (other than A2)	☐			
B1 (b)	Research and development	☐			
B1 (c)	Light industrial	☐			
B2	General industrial	☐			
B8	Storage or distribution	☐			
C1	Hotels and halls of residence	☐			
C2	Residential institutions	☐			
D1	Non-residential institutions	☐			
D2	Assembly and leisure	☐			
OTHER	Please specify	☐			
		☐			
	Total				

In addition, for hotels, residential institutions and hostels, please additionally indicate the loss or gain of rooms

Use class	Type of use	Not applicable	Existing rooms to be lost by change of use or demolition	Total rooms proposed (including changes of use)	Net additional rooms
C1	Hotels	☐			
C2	Residential Institutions	☐			
Other	Hostels	☐			

20. Employment

Please complete the following information regarding employees:

	Full-time	Part-time	Total full-time equivalent	Not known
Existing employees				
Proposed employees				

21. Hours of Opening

Please state the hours of opening for each non-residential use proposed:

Use	Monday to Friday	Saturday	Sunday and Bank Holidays	Not known

22. Site Area

Please state the site area in hectares (ha)

4

23. 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:

Is the proposal a waste management development? ☐ Yes ☒ No

If the answer is Yes, please complete the following table:

	Not applicable	The total capacity of the void in cubic metres, including engineering surcharge and making no allowance for cover or restoration material (or tonnes if solid waste or litres if liquid waste)	Maximum annual operational throughput in tonnes (or litres if liquid waste)
Inert landfill	☐		
Non-hazardous landfill	☐		
Hazardous landfill	☐		
Energy from waste incineration	☐		
Other incineration	☐		
Landfill gas generation plant	☐		
Pyrolysis/gasification	☐		
Metal recycling site	☐		
Transfer stations	☐		
Material recovery/recycling facilities (MRFs)	☐		
Household civic amenity sites	☐		
Open windrow composting	☐		
In-vessel composting	☐		
Anaerobic digestion	☐		
Any combined mechanical, biological and/or thermal treatment (MBT)	☐		
Sewage treatment works	☐		
Other treatment	☐		
Recycling facilities construction, demolition and excavation waste	☐		
Storage of waste	☐		
Other waste management	☐		
Other developments	☐		

Please provide the maximum annual operational throughput of the following waste streams:

Municipal	
Construction, demolition and excavation	
Commercial and industrial	
Hazardous	

If this is a landfill application you will need to provide further information before your application can be determined. Your waste planning authority should make clear what information it requires on its website.

24. Hazardous Substances

Does the proposal involve the use or storage of any of the following materials in the quantities stated below? ☐ Yes ☒ No ☐ Not applicable

If Yes, please provide the amount of each substance that is involved:

Acrylonitrile (tonnes)		Ethylene oxide (tonnes)		Phosgene (tonnes)	
Ammonia (tonnes)		Hydrogen cyanide (tonnes)		Sulphur dioxide (tonnes)	
Bromine (tonnes)		Liquid oxygen (tonnes)		Flour (tonnes)	
Chlorine (tonnes)		Liquid petroleum gas (tonnes)		Refined white sugar (tonnes)	

Other:

Other:

Amount (tonnes):

Amount (tonnes):

25. Certificates

One Certificate A, B, C, or D, must be completed, together with the Agricultural Holdings Certificate with this application form
CERTIFICATE OF OWNERSHIP - CERTIFICATE A

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

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

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

PU

25-10-11

CERTIFICATE OF OWNERSHIP - CERTIFICATE B

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

I certify/ The applicant certifies that I have/the applicant has given the requisite notice to everyone else (as listed below) who, on the day 21 days before the date of this application, 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 this application relates

Name of Owner	Address	Date Notice Served

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

CERTIFICATE OF OWNERSHIP - CERTIFICATE C

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

I certify/ The applicant certifies that:

Neither Certificate A or B can be issued for this application

All reasonable steps have been taken to find out the names and addresses of the other owners (owner is a person with a freehold interest or leasehold interest with at least 7 years left to run) of the land or building, or of a part of it, but I have/ the applicant has been unable to do so

The steps taken were:

Name of Owner	Address	Date Notice Served

Notice of the application has been published in the following newspaper (circulating in the area where the land is situated):

On the following date (which must not be earlier than 21 days before the date of the application):

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

25. Certificates (continued)**CERTIFICATE OF OWNERSHIP - CERTIFICATED**

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

I certify/ The applicant certifies that:

§ Certificate A cannot be issued for this application

§ All reasonable steps have been taken to find out the names and addresses of everyone else who, on the day 21 days before the date of this application, 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 to which this application relates, but I have/ the applicant has been unable to do so

The steps taken were:

Notice of the application has been published in the following newspaper
(circulating in the area where the land is situated):On the following date (which must not be earlier
than 21 days before the date of the application):

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

AGRICULTURAL HOLDINGS CERTIFICATE

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

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

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

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:

Name of Tenant	Address	Date Notice Served

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

26. Planning Application Requirements - Checklist

Please read the following checklist to make sure you have sent all the information in support of your proposal. Failure to submit all information required will result in your application being deemed invalid. It will not be considered valid until all information required by the Local Planning Authority has been submitted.

3 copies of a completed and dated application form:



The correct fee:



3 copies of the plan which identifies the land to which the application relates drawn to an identified scale and showing the direction of North:



3 copies of a design and access statement:



3 copies of the completed, dated Article 7 Certificate (Agricultural Holdings):



3 copies of other plans and drawings or information necessary to describe the subject of the application:



3 copies of the completed, dated Ownership Certificate (A, B, C, or D - as applicable):

**27. Declaration**

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

Signed - Applicant:

Or signed - Agent:

Date (DD/MM/YYYY):

(date cannot be pre-application)

28. Applicant Contact Details

Telephone numbers

Country code:	National number:	Extension number:
Country code:	Mobile number (optional):	
Country code:	Fax number (optional):	
Email address (optional):		

29. Agent Contact Details

Telephone numbers

Country code:	National number:	Extension number:
	01254 823 885	
Country code:	Mobile number (optional):	
Country code:	Fax number (optional):	
Email address (optional):		
peter@solarpowerpv.co.uk		

30. 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)

☐ Agent☐ Applicant☐ Other (if different from the agent/applicant's details)

If Other has been selected, please provide:

Contact name:

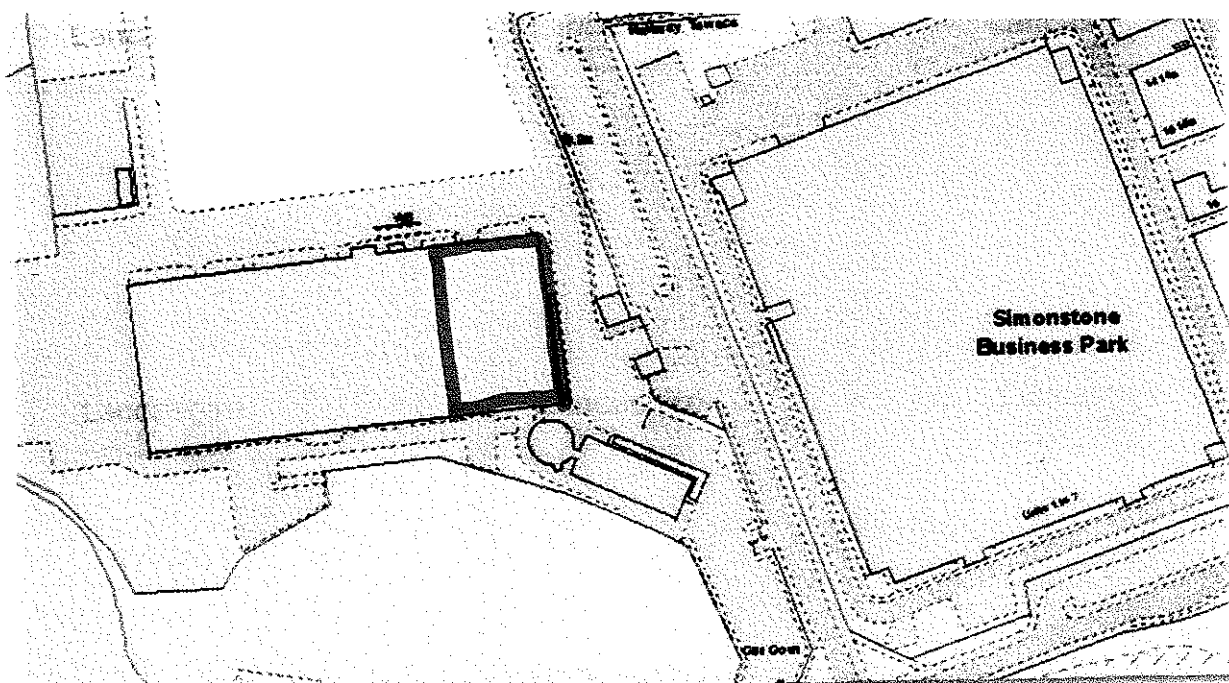
PETER HITCHEN

Telephone number:

01254 823 885

Email address:

peter@solarpowerpv.co.uk



SITE LOCATION PLAN 1:1250

320110894P

**FORT VALE
SIMONSTONE LANE
ALTHAM**

DESIGN & ACCESS STATEMENT

SOLAR PV INSTALLATION
FORT VALE ENGINEERING
SIMONSTONE LANE
ALTHAM
LANCASHIRE

320110894P

Site information

The application site is within an established industrial area close to the settlements of Altham and Simonstone and within the valley approximately 1 mile from the M65. The building was constructed approximately 25 years ago and is an open plan portal frame structure. The building is used for production purposes. The roof is approximately 25° clad with profiled metal sheets on steel z purlins across the portal rafters. There are rooflights incorporated into the sheeting.

Design

The proposal is for a new Solar PV installation on two west facing slopes of the building above and between the rooflights comprising 200 x 250W MCS certified monocrystalline panels providing 50kwp. The whole installation is to be mounted on stainless steel clamps across the roof slope. The individual panel dimensions are 1650 x 992 x 45mm thick and they are to be aligned in portrait across the roof decking. The overall projection from the profiled sheeting does not exceed 200mm (see the example photographs). All electrical cabling is to be concealed from view and taken to locations where the mains incoming supplies are positioned. The inverters which convert the DC output to a serviceable AC supply are installed adjacent to the meters. Full details to be clarified by the specialist MCS certified electrical contractor.

Access and Facility Benefits

The installation is permanent across the roofs and access for any maintenance must be via a hoist and operatives must be harnessed to repair any of the panels. A full completion pack detailing the installation information including the necessary certifications/guarantees etc will be issued to the owners of the panels. The applicant will benefit from the Feed in Tariffs and energy savings provided by the power generated by the panels during the daylight hours. The inverters will ensure that all the power generated by the Solar panels will be used for any electricity demands by the building occupants. The approximate annual carbon reduction achieved by the installation will be 23 tonnes.



3201108942



High Performance 60 Cell Mono Crystalline 156x156mm Solar Photovoltaic Module

Model Number: CNPV-230M to CNPV-255M / Power Range: 230Wp to 255Wp

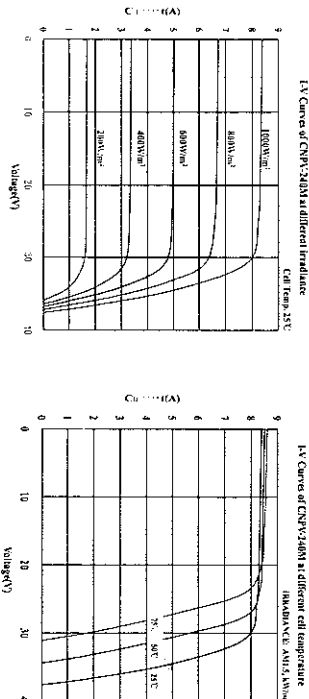
Typical Electrical Characteristics

Model Number	UOM	Standard PV Modules				Premium PV Modules			
		CNPV-230M	CNPV-235M	CNPV-240M	CNPV-245M	CNPV-250M	CNPV-255M		
Rated Maximum Power-Pmax	Wp	230	235	240	245	250	255		
Power Tolerance	%	0+-3	0+-3	0+-3	0+-3	0+-3	0+-3		
Maximum Power Voltage-Vmp	V	30.3	30.7	30.8	30.9	31.0	31.3		
Maximum Power Current-Imp	A	7.60	7.65	7.80	7.83	8.05	8.15		
Open Circuit Voltage-Voc	V	37.2	37.5	37.6	37.7	37.8	37.9		
Short Circuit Current-Isc	A	8.20	8.30	8.40	8.50	8.60	8.70		
Maximum System Voltage-VDC	V			1000					
Encapsulated Solar Cell Efficiency- η_c	%	16.0	16.4	16.7	17.1	17.4	17.9		
Module Efficiency- η_m	%	14.1	14.4	14.7	15.0	15.3	15.6		
Solar Cell and Configuration		60 cells(156*156mm@6*6") in a 6*10 matrix connected in series							
Solar Cell Technology & Size		Mono Crystalline (156*156mm@6*6")							
Cable Type/Diameter	mm	4mm*(12AWG), TUV Certified							
Type of Connector		IP67 Type IV							
Junction Box		IP65, 1000VDC, Certified TÜV&UL Certified							
Number of Bypass Diodes & Type	A	20							
Maximum Series Fuse Rating		3Nos. Schottky by-pass diodes							
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/m², Cells Temperature 25°C(77°F)							
Operating Temperature	°C	-40~+85°C(-40~+185°F)							
Product Certifications		IEC61215, IEC61730, UL703KCE							

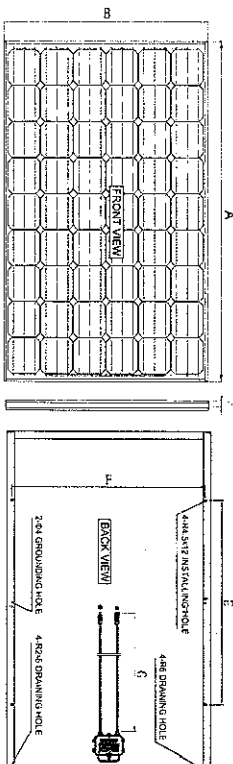
Mechanical & Packaging Characteristics

Dimensions AxBxC	mm	1650*962*46mm(64.96" *39.06" *1.81")
Installation Hole Dimensions ExF	mm	990*541mm(39" *21.05")
Cable Length G	mm	1000mm(39.37")
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: First Cure EVA
Frame		Clear anodized aluminum alloy type 6063T5; Color: silver
Packing Configuration and Quantity per Pallet		20 pcs per carton and one carton per pallet
Container Loading Capacity		520 pcs per 40 ft high cubic container

I-V Characteristics at Different Irradiance & 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

SALENT FEATURES

- Customer Driven Product Portfolio
- Market Focused European Insurance
- APC with High Transmission Superstrate > 95%-Premium Products
- Industry Leading Snow Loading Capacity: 8000Pa
- Proven Key Raw Materials Selection
- 100% Electro Luminescence Pre-screening
- Positive Power Tolerance
- The best \$/Watt under The Sun

WARRANTY

- Workmanship: 10 years
- Third Party Insurance for 25 Years
- World's First True Linear Power
- Output Warranty for 25 Years

CERTIFICATIONS

