



CATHODIC
PROTECTION
CO LTD

CPCL 165 PV Module Datasheet

A custom, anti-theft, high quality crystalline silicon cell module, produced in the UK. Customer logo, images and reference details can be included within the glass laminate (see next page).

- 36 connected 156mm x 156mm high efficiency crystalline silicon cells
- 4mm low iron toughened glass maximising panel efficiency and strength
- Anodised aluminium frame (standard silver or optional black)
- IP65 Junction Box including bypass diodes
(Optional supply with 1m cables terminated with MC4 connectors)
- High strength design with maximum surface loading, tested up to 5400 Pa

Produced utilising a Low Carbon Supply Chain of local suppliers wherever possible.

PERFORMANCE SPECIFICATION

STANDARD TEST CONDITIONS (STC)

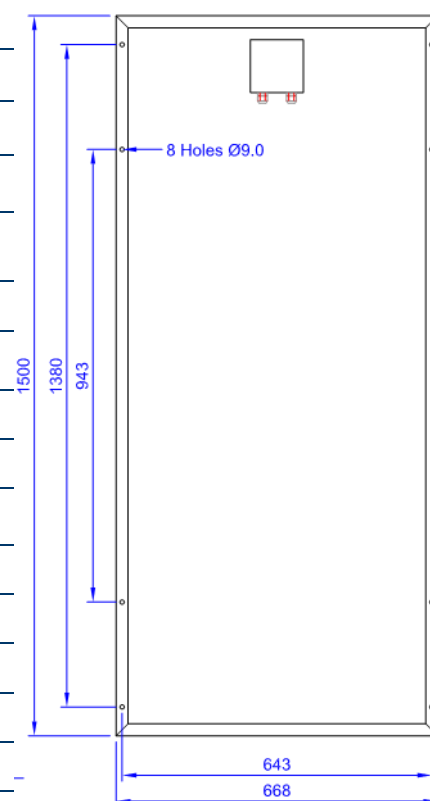
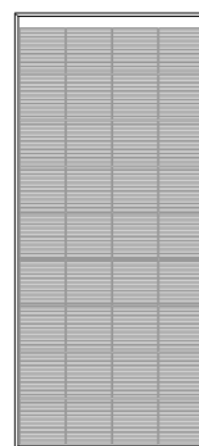
STC = 1000W/m² irradiance, 25°C module temperature, AM 1.5 spectrum*

Maximum Power (Pmax)	168	W
Voltage at Max Power (Vmp)	19.8	V
Current at Max Power (Imp)	8.52	A
Voltage at open circuit (Voc)	23.8	V
Current at short circuit (Isc)	8.97	A
Power data (Ptolerance)	+5/-0	%
Cell Efficiency	>18.2	%
Panel Efficiency	>16.4	%
Bypass Diodes	2	

TEMPERATURE COEFFICIENTS

Power	-0.42	%/°C
Voltage	-0.33	%/°C
Current	0.05	%/°C
Operating Temp	-40 to +85	°C
Dimensions	1500 x 672 x 33 mm (L x W x D)	
Weight	13 kg	
Ingress Protection	IP65	

CPCL reserves the right to modify these specifications without notice



Up to 185Wp available within
the same physical size

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Performance Warranties

Freedom from defects in materials and workmanship for 5 years.
Electrical performance: 90% of output power for 10 years and 80% for 20 years.



Quality

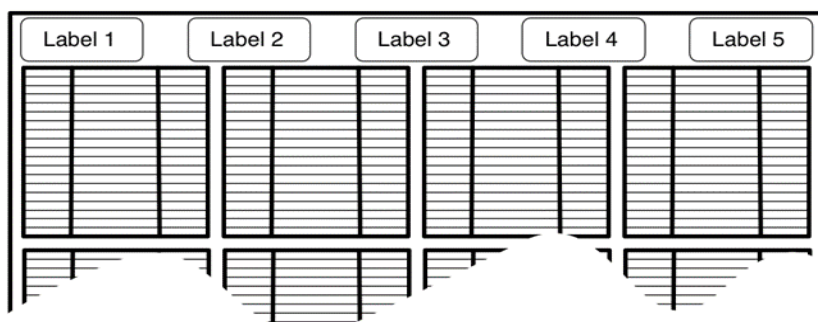
- Complies with TUV SUD accreditation, IEC 61215 and IEC 61730
- Manufactured in an ISO 9001-2015 & 14001 certified factory
- MCS accredited B A B T 8501



Anti-Theft/Client Labelling

The CPCL165W module allows custom printed labels to be incorporated behind the front glass, within the module encapsulation.

The labels cannot be removed (without critical damage to the module).



Standard Labelling

Standard labels are 80mm x 40mm. Content options include:

- Company logo
- Serial numbers, project references and unique ID marks
- Most standard image (PNG, Jpg, Gif, etc.) and pdf formats
- Barcode (unique serial number and production data)
- Flags (national, regional or company)
- Contact information

Label proofs are provided prior to incorporation into the module






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CPCL Standard Module

The standard CPCL branded module is visually distinctive from all other on the market and includes a unique bar code identifier. The labelling highlights the visual impact for customer branded versions.

Alternatives to the British flag include client national or regional flags and company logos.

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