

Annex I – Application for PV Panel Certification
(Richiesta di Certificazione)

Applicant - General Information	
Applicant name (Company name)	
Applicant address	
Postcode	
Telephone number	
Fax number	
Internet address	
Chief Executive (legal representative)	
Tax code	
VAT Number	
IBAN code	

Applicant - Contact Person	
Contact name	
Title (Mr/Mrs/Dr)	
Contact job title	
Direct telephone number	
Mobile number	
E-mail address	

Place(s) of manufacturer *)	
Manufacturing name (company name)	
Activity of the site	<e.g. manufacturing / assembling>
Manufacturing address	
Postcode	
Telephone number	
Fax number	
Internet address	
Manufacturing contact person	
Title (Mr/Mrs/Dr)	
Contact job title	
Direct telephone number	
Mobile number	
E-mail address	
Production Control / Quality Plan available	Y / N
Production ISO9001 certified	Y / N

*) provide details of all the site(s) by copying the above table in case more than 1 production site applies.

Scope of assessment	KQ Certification*) <i>(Ref: TD KI 0409 Solar Products and components)</i>
	CB Certification*) <i>(Ref: Q-plan NCB PV)</i>
Applicable testing standard*)	IEC (EN) 61215 (Silicon)
	IEC (EN) 61646 (Thin Film)
	IEC (EN) 61730-1 / IEC (EN) 61730-2 (Safety)
 (others)

*) strikethrough the non-applicable testing standards

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General Product Information		Note
Product name or Product Family name		
For product families: - detail the full range of products		
Additional comments: - Eg various technologies applied		

If the current certification is an extension regards to a module not tested by Kiwa Gastec please send the certificates and test reports performed on that module

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Product Detailed Information		Note
Model designation		
Module total length x width	(cm x cm)	
Module weight	(kg)	
Cell		
Single cell area	(cm ²)	
Cell technology		
Cell manufacturer and part #		
Cell manufacturing location		
Total number of cells		
Number of cells in series		
Number of series strings		
Diode		
Number of bypass diodes		
Diode manufacturer and part #		
Bypass diode rating	(A)	
Bypass diode max junction temperature	(°C)	
thermal resistance from junction to case	(°C/W)	
Interconnection		
Interconnect material and supplier model no.		
Cell Interconnect dimensions	(mm x mm)	
String Interconnect dimensions	(mm x mm)	
Solder bonding technique and material		

Product Detailed Information		Note
Superstrate and substrate		
Superstrate type		
Superstrate manufacturer and part #		
Substrate type		
Substrate manufacturer and part #		
Frame		
Frame type/material		
Frame adhesive		
Mounting designed for heavy snow load		
Encapsulant		
Encapsulant type		
Encapsulant manufacturer and part #		
Junction box		
Junction box manufacturer and part #		
Junction box potting material, if any		
Junction box fixing adhesive		
Is junction box intended for use with conduit?		
Cable & Connector type		

Product Detailed Information		Note
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electrical data		
Maximum system voltage	(V)	
Open-circuit voltage, V_{OC}	(V)	
Short-circuit current, I_{SC}	(A)	
Maximum power voltage, V_{MP}	(V)	
Maximum power current, I_{MP}	(A)	
Maximum power, P_{MP}	(W)	
Fill Factor, FF	(%)	
Voltage temperature coefficient	(mV/°C)	
Voltage temperature coefficient	(mA/°C)	
Specified minimum rating – IEC61646 only	(W)	



following data are required only for IEC 61730-2 certification

Product Detailed Information		Note
Superstrate max temperature	(°C)	
Substrate max temperature	(°C)	
Cables and connectors max temperature	(°C)	
Jbox maximum temperature	(°C)	
Maximum module reverse current	(A)	

partial discharge test

polymeric materials employed as superstrate or substrate must complies partial discharge test according to IEC 60664-1.
Please attach the certificate.



Marking requirements for attached label:




1 - name, monogram or symbol of manufacturer	
2 – type or model number.	
3 - serial number ¹	
5 – maximum system voltage for which the module is suitable	
6 – date and place of manufacture (if not traceable from serial number)	
7 - voltage at open circuit (V)	
8 - current at short circuit (A)	
9 – maximum power (W)	
10 – maximum reverse current (A)	
10 – symbol for Class II equipment	
12 – symbol for nature of system voltage ²	

¹ Serial number can be placed outside main label in a separate label (e.g. under the superstrate)

² place this symbol near each voltage value reported in the label (e.g. Voc, Vmp and maximum system voltage)

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13 – CE mark	
14 – shock hazard warning (if open-circuit or maximum system voltage > 50 V)	

manufacturer logo	manufacturer name & address
model name	
serial number:	
maximum power (P_{MP})	270 W ± 3%
open circuit voltage (V _{OC})	35.5 V ===
short circuit current (I _{SC})	8.0 A
voltage at maximum power (V _{MP})	26.7 V ===
current at maximum power (I _{MP})	7.6 A
maximum system voltage	1000 V ===
maximum reverse current	10.0 A
normal operating cell temperature	43.2 °C
temperature coefficient	-1.07 W/°C
<small>power measured in standard condition (STC): irradiation 1000 W/m², AM 1.5, cell temperature 25°C</small>	
	tested according to: IEC 61215 and IEC 61730
	Warning: electric hazard This unit produces electricity if exposed to light. Do not disconnect under load.
	

This is an example of a label. Please refer to it only for data reported and symbols use and positioning.

The following data are not strictly necessary but indicated by most manufacturers:
current at maximum power, voltage at maximum power, temperature coefficients, NOCT, ...

I hereby affirm that:

- 1) the information provided on this form is true and accurate.
- 2) accept and understand the Kiwa quotation related to this application

Applicant Name :

Name of Representative :

Signature of Representative :

Date :