



- 0. Application for product certification by the National Certification Body (NCB):**
- 0.1 Application for product testing to be conducted by the Certification Body Testing Laboratory (CBTL):**

**1. Identification of applicant**

- 1.1 Name of applicant:
- 1.2 Address:
- 1.3 Telephone No.:
- 1.4 Telefax No.:
- 1.5 Name of the responsible contact person:
- 1.6 E-mail address:

**2. Identification of manufacturer (if different from applicant)**

- 2.1 Name of manufacturer:
- 2.2 Address:
- 2.3 Telephone No.:
- 2.4 Telefax No.:
- 2.5 Name of the responsible contact person:
- 2.6 E-mail address:
- 2.7 Current quality registration/certification:

**3. Identification of factory locations for types or models described in Section 4  
Use Annex A if more than two factories are involved.**

3.1	Factory name: Address line 1: Address line 2: City or Province: State or Country: Postal Code:	Contact Name: Contact E-mail: Telephone No.: Telefax No.: Trade marks or other markings issued on products:
3.2	Factory name: Address line 1: Address line 2: City or Province: State or Country: Postal Code:	Contact Name: Contact E-mail: Telephone No.: Telefax No.: Trade marks or other markings issued on products:



**IEC 61730-1 (proposed) and IEC 61730-2 (proposed)  
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Part 1: Requirements for construction and  
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**Product Certification Application Form**

**DRAFT3**

**4. Scope of product certification requested**

4.1 Total number of products to be evaluated for full certification:

4.2 Please indicate by type designation or model numbers those products that fit into a series or family range:

4.3 Product information matrix. Use Annex A if more than three product types or models are being submitted.

	<b>1</b>	<b>2</b>	<b>3</b>
4.3.1 Type or model number:			
4.3.2 Application Class (A, B, or C):			
4.3.3 Intended for building roof mounting?			
4.3.4 Module weight (kg):			
4.3.5 Total length x Total width (cm x cm):			
4.3.6 Cell type or technology:			
4.3.7 Cell manufacturer:			
4.3.8 Individual cell area (cm <sup>2</sup> )			
4.3.9 Total number of cells:			
4.3.10 Number of cells in series:			
4.3.11 Number of cells in parallel:			
4.3.12 Number of bypass diodes:			
4.3.13 Number of series cells per bypass diode:			
4.3.14 Bypass diode rating, A:			
4.3.15 Bypass diode manufacturer, product type and max. junction temp., °C:			
4.3.16 Series over-current protection rating, A:			
4.3.17 Superstrate manufacturer, product type and designation number:			
4.3.18 Substrate manufacturer, product type and designation number:			
4.3.19 Encapsulant manufacturer, product type and designation number:			
4.3.20 Frame type:			
4.3.21 Junction box type and material description:			
4.3.22 Cable type:			
4.3.23 Connector type:			
4.3.24 Maximum system voltage, V:			
4.3.25 STC open-circuit voltage (include tolerance), V:			
4.3.26 STC short-circuit current (include tolerance), A:			
4.3.27 STC voltage at max. power (include tolerance), V:			
4.3.28 STC current at max. power (include tolerance), A:			
4.3.29 Maximum power at STC (include tolerance), W:			



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**DRAFT3**

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**5. Instructions, marking and labeling**

- 5.1 Are electrical installation instructions for the types (models) described in Section 4 provided with this submission?  YES  NO  Not currently available
- 5.2 Are mechanical installation instructions for the types (models) described in Section 4 provided with this submission?  YES  NO  Not currently available
- 5.3 Are copies of labels or marking plates for the types (models) described in Section 4 provided with this submission?  YES  NO  Not currently available

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**6. Product status and handling**

- 6.1 The models above represent:  Standard production products  
 New production products  
 Prototypes of a new design
- 6.2 If modules require special handling, please specify requirements:
- 6.3 If terminal compartments require a special tool for access that is not supplied with the module, please describe this tool:

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**7. Other construction details**

- 7.1 Do any of the types (models) described in Section 4 contain exposed conductive parts? If “yes” please describe environmental corrosion protection in Section 7.1.1, below.  YES  NO
- 7.1.1 Corrosion protection (if applicable):
- 7.2 Are the types of superstrate and substrate indicated in Sections 4.3.17 and 4.3.18 polymeric materials? If “yes” please answer 7.2.1 below.  YES  NO
- 7.2.1 Polymeric qualifications or certifications (if applicable):
- 7.3 Do any of the types (models) described in Section 4 contain insulated conductors in their construction? If “yes” please answer 7.3.1 below.  YES  NO
- 7.3.1 Please specify temperature rating of insulated conductors (if applicable):



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**DRAFT3**

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**8. Electrical terminations and terminal compartments**

- 8.1 Do any of the types (models) described in Section 4 contain terminal blocks? If “yes” please answer 8.1.1 below.  YES  NO
- 8.1.1 Please indicate terminal block manufacturer’s name, product type and designation number (if applicable):
- 8.2 For threaded stud, screw, tag, etc. electrical connections please specify recommended cable size and type:
- 8.3 Do any of the types (models) described in Section 4 contain connector terminations? If “yes” please answer 8.3.1 and 8.3.2 below.  YES  NO
- 8.3.1 Please specify connector manufacturer’s name, product type and designation number (if applicable):
- 8.3.2 Please specify connector electrical ratings, exposure resistance, approvals and markings (if applicable):
- 8.4 Do any of the types (models) described in Section 4 have terminal compartments intended for use with conduit? If “yes” please answer 8.4.1 and 8.4.2 below.  YES  NO
- 8.4.1 Is the terminal compartment intended for use with non-metallic conduit (if applicable)?  YES  NO
- 8.4.2 Please specify trade sizes of conduit allowed (if applicable):
- 8.5 Do any of the types (models) described in Section 4 have terminal compartments with removable hole-covers (knockouts) provided?  YES  NO
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**7. Special notes for the CBTL**

- 7.1 Are matched technology PV reference devices available for the models described in Section 4?  YES  NO
- 7.2 Are bypass diode cases or heat sinks accessible for the models described in Section 4?  YES  NO
- 7.3 Are blocking diodes incorporated into the module design?  YES  NO
- 7.4 If modules have special hot-spot protective devices that are recommended, but not supplied with the module please specify them:
- 7.5 If modules require special mounting hardware that is not supplied, please specify requirements:
- 7.7 Date at which samples can be shipped for testing:
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**8. Optional manufacturer-supplied information. Note that this information is considered useful, but does not necessarily preclude verification testing by the CBTL.**

- 8.1 Current-temperature coefficient at short circuit, %/°C:
- 8.2 Voltage-temperature coefficient at open circuit, %/°C:
- 8.3 Power-temperature coeff. at maximum power, %/°C:
- 8.4 Nominal operating cell temperature (NOCT), °C:
- 8.5 Internal series resistance, Ω:
- 8.6 Curve correction factor, Ω/°C:



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**Annex A – Additional Product Information DRAFT3**

Copy the following table and append as necessary for all factory locations that produce types or models included in this certification request:

3.	Factory name:	Contact Name:
	Address line 1:	Contact E-mail:
	Address line 2:	Telephone No.:
	City or Province:	Telefax No.:
	State or Country:	Trade marks or other
	Postal Code:	markings issued on products:



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**Annex A – Additional Product Information DRAFT3**

Copy the following table and append to subsequent pages as necessary to include all products for which certification is sought:

4.3 Product information matrix continued

	#	#	#
4.3.1 Type or model number:			
4.3.2 Application Class (A, B, or C):			
4.3.3 Intended for building roof mounting?			
4.3.4 Module weight (kg):			
4.3.5 Total length x Total width (cm x cm):			
4.3.6 Cell type or technology:			
4.3.7 Cell manufacturer:			
4.3.8 Individual cell area (cm <sup>2</sup> )			
4.3.9 Total number of cells:			
4.3.10 Number of cells in series:			
4.3.11 Number of cells in parallel:			
4.3.12 Number of bypass diodes:			
4.3.13 Number of series cells per bypass diode:			
4.3.14 Bypass diode rating, A:			
4.3.15 Bypass diode manufacturer, product type and max. junction temp., °C:			
4.3.16 Series over-current protection rating, A:			
4.3.17 Superstrate manufacturer, product type and designation number:			
4.3.18 Substrate manufacturer, product type and designation number:			
4.3.19 Encapsulant manufacturer, product type and designation number:			
4.3.20 Frame type:			
4.3.21 Junction box type and material description:			
4.3.22 Cable type:			
4.3.23 Connector type:			
4.3.24 Maximum system voltage, V:			
4.3.25 STC open-circuit voltage (include tolerance), V:			
4.3.26 STC short-circuit current (include tolerance), A:			