



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:



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.

	1	2	3
4.3.1 Type or model number:			
4.3.2 Supply voltage, kind of voltage (AC or DC) and frequency (for AC):			
4.3.3 Design load, W•h:			
4.3.4 Lamp manufacturer, model or type, and relevant qualifications (if applicable):			
4.3.5 Please specify all loads connected to this system including type, manufacturer and model number.			
Please note that samples must be shipped with the loads intended for use on the system.			
4.3.6 Daily Run Time (DRT) for irradiation class II ¹ , hours:			
4.3.7 The irradiation level for which the design load can be energized by the system, W/m ² :			
4.3.8 Days of system autonomy for irradiation class II, days:			
4.3.9 PV cell type or technology:			
4.3.10 PV module manufacturer, model or type, and relevant qualifications ² :			
4.3.11 Charge controller manufacturer, model or type, and relevant qualifications:			
4.3.12 Number of batteries in design and nominal voltage rating of each:			
4.3.13 Number of batteries connected in series:			
4.3.14 Number of batteries connected in parallel:			
4.3.15 Battery manufacturer, model or type, and relevant qualifications:			
4.3.16 Battery over-current protection device, rated current, voltage and use (AC or DC):			
4.3.17 Please specify module inverse current protection. For diodes, please indicate current capacity, A, and peak inverse voltage, V.			
4.3.18 Accessories and other installation materials included with the system:			

¹ Defined as a Yearly Average Daily Horizontal Irradiation of between 4.5 and 5.5 kWh/m²-day with a maximum to minimum Monthly Average Daily Horizontal Irradiation range of more than 1.5 kWh/m²-day.

² Crystalline PV modules shall have IEC 61215, IEC 61730-1 and IEC 61730-2 qualification. Thin film PV modules shall have IEC 61646, IEC 61730-1 and IEC 61730-2 qualification.



5. Instructions, marking and labeling

- 5.1 Are user manuals for the types (models) described in Section 4 provided with this submission? YES NO Not currently available
- 5.2 Are technician manuals 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
- 5.4 In the case that multiple loads are provided with individual systems, please describe switching sequence, if relevant:

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 batteries require instructions for adding electrolyte or preconditioning, please describe requirements:
- 6.4 If terminal compartments require a special tool for access that is not supplied with the module, please describe this tool:

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 Is wiring color-coded and/or labeled? YES NO
- 7.3 Please describe wiring between PV modules and the charge controller. Include ratings, insulation description and environmental protection.
- 7.4 Please provide evidence of support structure design for wind load resistance for the type (models) described in Section 4³:

³ A separate enclosure provided with this application is preferred.



7. Special notes for the CBTL

- 7.1 Are blocking diodes incorporated into the module design? YES NO
- 7.2 If modules have special hot-spot protective devices that are recommended, but not supplied with the module please specify them:
- 7.3 If modules require special mounting hardware that is not supplied, please specify requirements:
- 7.4 Date at which samples can be shipped for testing:
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8. Optional PV module information

- 8.1 Current-temperature coefficient at short circuit, %/°C:
- 8.2 Voltage-temperature coefficient at open circuit, %/°C:
- 8.3 Power-temperature coefficient at maximum power, %/°C:
- 8.4 Nominal operating cell temperature (NOCT), °C:
- 8.5 Internal series resistance, Ω :
- 8.6 Curve correction factor, $\Omega/^\circ\text{C}$:



**IEC 62124 (proposed)
Photovoltaic (PV) stand-alone systems –
Design verification**

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:



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 Supply voltage, kind of voltage and frequency:			
4.3.3 Design load, W·h:			
4.3.4 Lamp manufacturer, model or type, and relevant qualifications (if applicable):			
4.3.5 Please specify all loads connected to this system including type, manufacturer and model number.			
Please note that samples must be shipped with the loads intended for use on the system.			
4.3.6 Daily Run Time (DRT) for irradiation class II ⁴ , hours:			
4.3.7 The irradiation level for which the design load can be energized by the system, W/m ² :			
4.3.8 Days of system autonomy for irradiation class II, days:			
4.3.9 PV cell type or technology:			
4.3.10 PV module manufacturer, model or type, and relevant qualifications ⁵ :			
4.3.11 Charge controller manufacturer, model or type, and relevant qualifications:			
4.3.12 Number of batteries in design and nominal voltage rating of each:			
4.3.13 Number of batteries connected in series:			
4.3.14 Number of batteries connected in parallel:			
4.3.15 Battery manufacturer, model or type, and relevant qualifications:			
4.3.16 Battery over-current protection device, rated current, voltage and use (AC or DC):			
4.3.18 Accessories and other installation materials included with the system:			

⁴ Defined as a Yearly Average Daily Horizontal Irradiation of between 4.5 and 5.5 kWh/m²-day with a maximum to minimum Monthly Average Daily Horizontal Irradiation range of more than 1.5 kWh/m²-day.

⁵ Crystalline PV modules shall have IEC 61215, IEC 61730-1 and IEC 61730-2 qualification. Thin film PV modules shall have IEC 61646, IEC 61730-1 and IEC 61730-2 qualification.