

Certificate

Registration No.: PV 50163544

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Report No.: 12606229 021

License Holder:
SANYO Electric Co., Ltd.
15-2, Nishiki-Minami-machi
Kaizuka City, Osaka
597-0094, JAPAN

Product:
PV Module

Addition

Type: VBHN214AE05

Manufacturing Plant:
SANYO Electric Co., Ltd.
Nishikinohama Factory
15-2, Nishiki-Minami-machi
Kaizuka City, Osaka
597-0094, JAPAN

Basis:

- IEC 61215:2005**
EN 61215:2005
"Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval"

- Factory Inspection**
To document the consistent quality of the product factory inspections are performed periodically.



- **Periodic inspection**
- **Qualified, IEC 61215**
- **Safety tested, IEC 61730**

Remarks:

- Additional type designations see above.
- The details of the factory inspection are documented in report no. 12606100.
- For associated factories, refer to the preceding certificate pages.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 27 August 2013.



Certification body

Yokohama, 31 January 2012

TÜV Rheinland Japan Ltd. – Yokohama 222-0033, Japan


Dipl.-Ing. M. Geiser

Certificate

Registration No.: PV 50163545

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Report No.: 12606229 022

License Holder:
SANYO Electric Co., Ltd.
15-2, Nishiki-Minami-machi
Kaizuka City, Osaka
597-0094, JAPAN

Product:
PV Module

Addition

Type: VBHN214AE05

Manufacturing Plant:
SANYO Electric Co., Ltd.
Nishikinohama Factory
15-2, Nishiki-Minami-machi
Kaizuka City, Osaka
597-0094, JAPAN

Basis:

- IEC 61730-1:2004
IEC 61730-2:2004
EN 61730-1:2007
EN 61730-2:2007
"Photovoltaic (PV) module safety qualification"



- Periodic inspection
- Qualified, IEC 61215
- Safety tested, IEC 61730

- Factory Inspection**
To document the consistent quality of the product factory inspections are performed periodically.

Remarks:

- Additional type designations see above.
- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to 1000 VDC.
- The fire test (IEC 61730-2 / MST 23) was not performed.
- The details of the factory inspection are documented in report no. 12606100.
- For associated factories, refer to the preceding certificate pages.

Conditions:


The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 27 August 2013.



Certification body

Yokohama, 31 January 2012


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