

# Certificate

Registration No.: PV 60042203

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Report No.: 21170635.002

**License Holder:**

**SANYO Electric Co., Ltd.**

15-2, Nishiki, Minami-Machi  
Kaizuka City, Osaka, 579-0094  
Japan

**Product:**

**PV Module**

Type:

VBHNxxxSE10, VBHNxxxSE11  
(xxx = 225, 230, 235, 240)

VBHN236SE10

**Manufacturing Plant:**

Sanyo Electric Co., Ltd.  
15-2, Nishiki-Minami-machi  
Kaizuka City, Osaka 579-0094  
Japan

VBHHxxxAE01, VBHHxxxAE02  
(xxx = 240, 245, 250)

**Basis:**



**2PfG 1917/05.11**

"Ammonia corrosion testing of  
photovoltaic (PV) modules"



**Factory Inspection**

To document the consistent quality of  
the product factory inspections are  
performed periodically.



- Ammonia resistance tested
- Periodic inspection

**Remarks:**

- The details of the factory inspection are documented in report no. 12606100.
- Valid in conjunction with TÜV Rheinland certificate based on IEC EN 61215 **only** for the material combination as listed in the above mentioned test report.
- New type designation.

**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. Accordingly the repetition of the tests that are basis of this certificate may be required.

**The certificate is valid until 31 January 2015.**

**Certification body**



Cologne, 18 April 2012

Dipl.-Ing. M. Adrian



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**SANYO Electric Co., Ltd.**

15-2, Nishiki, Minami-Machi  
Kaizuka City, Osaka, 579-0094  
Japan

**Product:**

**PV Module**

Type:

VBHNxxxSE10, VBHNxxxSE11  
(xxx = 225, 230, 235, 240)

VBHN236SE10

VBHHxxxAE01, VBHHxxxAE02

**Manufacturing Plant:**

Sanyo Hungary Kft.  
Ipari park  
2510 Dorog  
Hungary

**Basis:**



**2PfG 1917/05.11**

"Ammonia corrosion testing of  
photovoltaic (PV) modules"



**Factory Inspection**

To document the consistent quality of  
the product factory inspections are  
performed periodically.



- Ammonia resistance tested
- Periodic inspection

**Remarks:**

- The details of the factory inspection are documented in report no. 21217099.
- Valid in conjunction with TÜV Rheinland certificate based on IEC EN 61215 **only** for the material combination as listed in the above mentioned test report.
- New type designation.

**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. Accordingly the repetition of the tests that are basis of this certificate may be required.

**The certificate is valid until 31 January 2015.**

**Certification body**



Cologne, 18 April 2012

Dipl.-Ing. M. Adrian