

Certificate

Registration No.: PV 50159061

Page 2

Report No.: 12605529 002

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

Product:
PV Module
Type:
HIT-xxxDNKHE1
xxx = 185, 190, 195, 200, 205, 210
HIT-xxxDNKE1
xxx = 175, 180, 185, 190

Manufacturing Plant:
SANYO Hungary Kft.
Ipari park, 2510 Dorog
Hungary

Basis:

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

- 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:

- 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. 21210805.

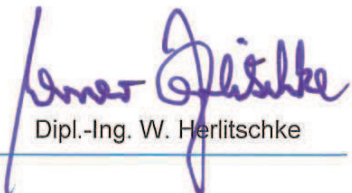
Conditions:

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 has a validity of 5 years counting from date of issue.



Certification body


Dipl.-Ing. W. Herlitschke

Yokohama, 7 July 2009

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

Certificate

Registration No.: PV 50159057

Page 2

Report No.: 12605529 001

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

Product:
PV Module
Type:
HIT-xxxDNKHE1
xxx = 185, 190, 195, 200, 205, 210
HIT-xxxDNKE1
xxx = 175, 180, 185, 190

Manufacturing Plant:
SANYO Hungary Kft.
Ipari park, 2510 Dorog
Hungary

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:
The details of the factory inspection are documented in report no.21210805.

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 has a validity of 5 years counting from date of issue.



Certification body


Dipl.-Ing. W. Herlitschke

Yokohama, 7 July 2009

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