

Certificate

Registration No.: PV 60020390

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Report No.: 21207105-2

License Holder:

SANYO Electric Co., Ltd.
Clean Energy Company
15-2, Nishiki, Minami-Machi
Kaizuka City, Osaka, 579-0094
Japan

Product:

PV Modules

Type: HIP-210HDEx; HIP-210HDEx-2;
HIP-215HDEx; HIP-215HDEx-2;
HIP-220HDEx; HIP-220HDEx-2;
HIP-225HDEx; HIP-225HDEx-2;
HIP-230HDEx; HIP-230HDEx-2.
X stands for 1, 2, 3 and represents different internal
connections and dimensions

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"



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

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

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 Cass 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. 21208174.

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 09.11.2012.



Certification body

Cologne, 18 January 2008

Dipl.-Ing. M. Adrian