

# Certificate

Registration No.: PV 50195589

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Report No.: 12608338 001

**License Holder:**  
**Mitsubishi Electric Corporation**  
**Nakatsugawa Works**  
1-3 Komanba-cho  
Nakatsugawa-shi, Gifu  
508-8666, Japan

**Product:**  
PV Module  
Type: PV-MJTxxxGB, PV-MDTzzzHB

xxx = 215 - 255 in increment of 5  
zzz = 180 - 220 in increment of 5

**Manufacturing Plant:**  
**Mitsubishi Electric Corporation**  
**Kyoto Factory**  
1 Zusho Baba  
Nagaokakyo-shi, Kyoto  
617-8550, 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:**

- The details of the factory inspection are documented in report no. 12606537.
- Mechanical load at 5400 Pa has been performed.

**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 25 September 2012.**



**Certification body**



Dipl.-Ing. W. Herlitschke

Yokohama, 07 January 2011

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

# Certificate

Registration No.: PV 50195592

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Report No.: 12608338 002

**License Holder:**  
**Mitsubishi Electric Corporation**  
**Nakatsugawa Works**  
1-3 Komanba-cho  
Nakatsugawa-shi, Gifu  
508-8666, Japan

**Product:**  
PV Module  
Type: PV-MJTxxxGB, PV-MDTzzzHB

xxx = 215 - 255 in increment of 5  
zzz = 180 - 220 in increment of 5

**Manufacturing Plant:**  
**Mitsubishi Electric Corporation**  
**Kyoto Factory**  
1 Zusho Baba  
Nagaokakyo-shi, Kyoto  
617-8550, 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:**

- 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. 12606537.

**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 25 September 2012.**



**Certification body**

  
Dipl.-Ing. W. Herlitschke

Yokohama, 07 January 2011

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