

TUV Rheinland Korea Ltd.  
Mr. SooBong Lim  
-  
E&C Venture Dream Tower 6  
197-28, Guro-dong, Guro-gu  
Seoul 152-719  
Rep. of Korea

Date : 02.02.2010  
Our ref. : LUK ZJL  
Your ref.: --

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV-Module  
Model Designation : See Certificate  
Certificate No. : PV 50166924 0002  
Report No. : 12605858 003

Dear Mr. SooBong Lim,

Please find enclosed certification documents as specified above.

Please forward these originals to the certificate holder.

If you contact our office, please quote our reference above.

We thank you for your cooperation.

The license holder is: LG Electronics Inc.  
#191-1, Gongdan-dong  
Gumi, Gyeongsangbuk-do 730-030  
Rep. of Korea

With kind regards,

Certification Body



Dipl.-Ing. S. Hartter

Enclosure

LG Electronics Inc.  
Mr. Chae-Yong Lee, Assistant  
Manager  
Production group  
#191-1, Gongdan-dong  
Gumi, Gyeongsangbuk-do 730-030  
Rep. of Korea

Date : 02.02.2010  
Our ref. : LUK ZJL  
Your ref.: --

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV-Module  
Model Designation : See Certificate  
Certificate No. : PV 50166924 0002  
Report No. : 12605858 003

Dear Mr. Chae-Yong Lee,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body



Dipl.-Ing. S. Hartter

CC: TUV Rheinland Korea Ltd.

Enclosure

# Certificate

Registration No.: PV 50166924

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Report No.: 12605858 003

**License Holder:**

**LG Electronics Inc.**

# 191-1, Gongdan-dong  
Gumi, Gyeongsangbuk-do  
730-030, Rep. of Korea

**Product:**

PV Module

Addition

Type: LGxxxM1W-G1, LGxxxM1C-G1 (60 cells)  
LGyyyP1W-G1, LGyyyP1C-G1 (60 cells)  
xxx = 220, 225, 230, 235, 240, 245, 250, 255 or 260  
yyy = 210, 215, 220, 225, 230, 235, 240, 245 or 250

**Manufacturing Plant:**

**LG Electronics Inc.**

# 191-1, Gongdan-dong  
Gumi, Gyeongsangbuk-do  
730-030, Rep. of Korea

LGxxxM9W-G1, LGxxxM9C-G1 (54 cells)  
LGyyyP9W-G1, LGyyyP9C-G1 (54 cells)  
xxx = 180, 185, 190, 195, 200, 205, 210, 215 or 220  
yyy = 180, 185, 190, 195, 200, 205 or 210

**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. 13500182.
- Mechanical Load was performed at 5400 Pa.

**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 for 5 years from the date of issue stated on page 1.**



**Certification body**



Dipl.-Ing. S. Hartter

Yokohama, 02 February 2010

TUV Rheinland Korea Ltd.  
Mr. SooBong Lim  
-  
E&C Venture Dream Tower 6  
197-28, Guro-dong, Guro-gu  
Seoul 152-719  
Rep. of Korea

Date : 02.02.2010  
Our ref. : LUK ZJL  
Your ref.: --

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV-Module  
Model Designation : See Certificate  
Certificate No. : PV 50166925 0002  
Report No. : 12605858 004

Dear Mr. SooBong Lim,

Please find enclosed certification documents as specified above.

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Date : 02.02.2010  
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**Ref : PV Photovoltaic Modules**

Type of Equipment : PV-Module  
Model Designation : See Certificate  
Certificate No. : PV 50166925 0002  
Report No. : 12605858 004

Dear Mr. Chae-Yong Lee,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body



Dipl.-Ing. S. Hartter

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Enclosure

# Certificate

Registration No.: PV 50166925

Page 2

Report No.: 12605858 004

**License Holder:**

**LG Electronics Inc.**

# 191-1, Gongdan-dong  
Gumi, Gyeongsangbuk-do  
730-030, Rep. of Korea

**Product:**

PV Module

Addition

Type: LGxxxM1W-G1, LGxxxM1C-G1 (60 cells)  
LGyyyP1W-G1, LGyyyP1C-G1 (60 cells)  
xxx = 220, 225, 230, 235, 240, 245, 250, 255 or 260  
yyy = 210, 215, 220, 225, 230, 235, 240, 245 or 250

**Manufacturing Plant:**

**LG Electronics Inc.**

# 191-1, Gongdan-dong  
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730-030, Rep. of Korea

LGxxxM9W-G1, LGxxxM9C-G1 (54 cells)  
LGyyyP9W-G1, LGyyyP9C-G1 (54 cells)  
xxx = 180, 185, 190, 195, 200, 205, 210, 215 or 220  
yyy = 180, 185, 190, 195, 200, 205 or 210

**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. 13500182.

**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 for 5 years from the date of issue stated on page 1.**



**Certification body**



Dipl.-Ing. S. Hartter

Yokohama, 02 February 2010