

LG Electronics Inc.  
Mr. Ji Han Kim Chief Research  
Engineer

Date : 23.04.2018  
Our ref. : DB 01  
Your ref.: J.H.K

LG Twin Towers  
20, Yeouido-dong, Yeongdeungpo-gu  
Seoul 150-721  
Rep. of Korea

**Ref : R TÜV-Mark Approval**

Type of Equipment : Grid-Connected Hybrid Inverter  
Model Designation : See Certificate  
Certificate No. : R 50397672 0002  
Report No. : 50091581 001

Dear Mr. Ji Han Kim,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50397672

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
J.H.K

Unser Zeichen *Our Reference*  
01-DB-50091581 001

Ausstellungsdatum *Date of Issue*  
19.04.2018 (day/mo/yr)

**Genehmigungsinhaber *License Holder***

LG Electronics Inc.  
LG Twin Towers  
20, Yeouido-dong, Yeongdeungpo-gu  
Seoul 150-721  
Rep. of Korea

**Fertigungsstätte *Manufacturing Plant***

LG Electronics Inc.  
84, Wanam-ro, Seongsan-gu,  
Changwon-si, Gyeongsangnam-do 51554  
Rep. of Korea

**Prüfzeichen *Test Mark***



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1419054390

**Geprüft nach *Tested acc. to***

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

**Energiespeichersystem (Grid-Connected Hybrid Inverter)**

Type Designation : D005KD1N111 8

Vmax PV [Vd.c.] : 800  
Isc PV [Ad.c.] : 2\*13  
MPP Voltage Range [Vd.c.] : 210-680  
Max. Input Current [Ad.c.] : 2\*12  
Overvoltage Category (OVC) : II for PV

Rated Output Voltage [Va.c.] : 3N~ 400  
Rated Output Frequency [Hz] : 50  
Rated Output Power [W] : 5000  
Max. Output Current [Aa.c.] : 3\*8  
Power factor : [-0.90, 0.90]  
Overvoltage Category (OVC) : III for AC Mains

continued on page 0002

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**ANLAGE (Appendix): 1.0**

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



**Weichun Li**



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50397672

Blatt *Sheet*  
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
J.H.K	01-DB-50091581 001	19.04.2018	(day/mo/yr)

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**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

Energiespeichersystem (Grid-Connected Hybrid Inverter)

as page 0001 continuation

Type of Battery : Lithium Polymer  
Rated Voltage [Vd.c.] : 207.2  
Max. Charge Current [Ad.c.] : 19

Protective Class : I  
Ingress Protection (IP) : IP21  
Pollution Degree (PD) : PD2  
Altitude [m] : 2000  
Operating Temperature [°C] : 0 to 40  
Type of Inverter : Non-isolated

**Remark(s) :**

The installation has to be carried out according to the attached installation instruction.  
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

**ANLAGE (Appendix): 1.0**

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