

# CERTIFICATE OF CONFORMITY

## EMC Directive 2014/30/EU

Certificate No.	11277483
Product	Battery Pack
Model /Type ref.	RESU 10H(R15563P3S DLT)
Multi-Listing model name	N/A
Holder of Certificate	LG Chem, Ltd. 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Rep. of Korea
Manufacturer	LG Chem, Ltd. 188, Munji-ro, Yuseong-gu, Daejeon, 305-738, Rep. of Korea
Trade Mark	N/A
Electrical Rating	DC 430 ~ 550 V
Additional Information	N/A

This is to certify that the sample(s) of the Product described above has been investigated and is presumed to be in conformity with the applicable provisions set out in Annex I of the EMC Directive 2014/30/EU on the basis of compliance with the following harmonised standards:

Standard(s): EN 61000-6-3:2007/A1:2011, EN 61000-6-1:2007

Detailed specifications of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: 16-11277483-CE      Issued Date:2016-05-19      By: UL Korea Ltd.

The standard(s) above is listed in harmonized standards of Official Journal of the European Union and apply to the sample of product submitted by the manufacturer for conformity assessment for safety objectives, excluding the analysis and assessment of risk(s) and the manufacturing process and its monitoring. This certificate and the relevant test results apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. This certificate is to serve as a supplement to technical documents which established by the manufacturer according to Annex II of the directive. The manufacturer shall draw up a written EU declaration of conformity for a product model and keep it together with the technical documentation at the disposal of the national market surveillance authorities for 10 years after the electrical equipment has been placed on the market. The EU declaration of conformity shall identify the electrical equipment for which it has been drawn up.

This document contains 1 page.

Date: 2016-05-23

Signature:   
**KyoungJin Chae**  
Engineering Manager  
**Consumer Technology Division**  
UL Korea Ltd.  
26<sup>th</sup> Fl. Gangnam Finance Center,  
152 Teheran-ro Gangnam-gu, Seoul, Korea  
Tel: +82 2 2009 9000 Fax:+82 2 2009 9404



TUV Rheinland Korea Ltd.  
Mr. HwangHyun No Project Engineer  
Products/Electrical/BATT  
E&C Venture Dream Tower 6  
41, Digital-ro 31-gil, Guro-gu,  
Seoul 08375  
Rep. of Korea

Date : 23.07.2018  
Our ref. : HHN ZOL  
Your ref.: 386141

**Ref : R1 TÜV-Mark Approval - local**

Type of Equipment : Secondary System, LiNiMnCoO2, as page 0001  
Model Designation : See Certificate  
Certificate No. : R1 50358560 0004  
Report No. : 50055056 004

Dear Mr. HwangHyun No,

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 Chem, Ltd.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

With kind regards,

Certification Body

  
Tetsuya Hashimoto

Enclosure

LG Chem, Ltd.  
Mr. Jaeseung Lee Assistant Manager  
Quality Management Dept.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

Date : 23.07.2018  
Our ref. : HHN ZOL  
Your ref.: 386141

**Ref : R1 TÜV-Mark Approval - local**

Type of Equipment : Secondary System, LiNiMnCoO<sub>2</sub>, as page 0001  
Model Designation : See Certificate  
Certificate No. : R1 50358560 0004  
Report No. : 50055056 004

Dear Mr. Jaeseung Lee,

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

Please find enclosed your certificate.

As the photo documentation is the evidence of certification, you need to keep the authorized copy for reference purposes as long as your certificate remains valid and the products are being sold.

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

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



Tetsuya Hashimoto

cc: TÜV Rheinland Korea Ltd.

Enclosure

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R1 50358560

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0004

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
386141	ZOL-HHN-50055056 004	23.07.2018	(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
LG Chem, Ltd.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

**Fertigungsstätte *Manufacturing Plant***  
PEOPLEWORKS  
225, Suchul-daero,  
Gumi-si, Gyeongsangbuk-do 39270  
Rep. of Korea

## Prüfzeichen *Test Mark*



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1419039865

Geprüft nach *Tested acc. to*  
IEC 62619:2017

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

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

Lithium-ion battery Secondary System, LiNiMnCoO<sub>2</sub>, as page 0001

Change

For Type Designations: 1) RESU10H / R15563P3SDLT  
2) RESU7H / EH1111063P3S3

BMU version: 1) 1.4.6.0, 1.0  
2) HW : 1.0 / SW : 1.5.4.4

changed to: 1), 2) 1.6.6.4, 1.0

ANLAGE (Appendix): 1.3

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 Japan Ltd., 3-19-5 Shin Yokohama, Yokohama 222-0033, Japan

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Fax: (+81/45)473-5221 http://www.tuv.com/jp



Zertifizierungsstelle

Tetsuya Hashimoto