

Lenovo battery documentation

This document is intended to provide a battery test summary in accordance with sub-section 38.3. of manual of tests and criteria for specific batteries included in defined Lenovo products.

Lenovo Product:

Model	MT / MTM
T590	20N4 20N5

Batteries included in this product:

Battery description	Lenovo ASM Part Number	Lenovo FRU Part Number	Lenovo Model Name
Lithium Ion battery Option 1 (secondary)	SB10K97649	02DL011	L18L3P71
Lithium Ion battery Option 2 (secondary)	SB10K97650	02DL012	L18M3P71
Coin Cell (primary)	Coin Cell		

Signature with name and title of signatory as an indication of the validity of information provided:



Magnus Piotrowski

Senior Manager, EMEA Environmental,
Social, Governance (ESG)

i.V.

Signature	Name	Title
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Geschäftsführung: Mirco Krebs
Sitz der Gesellschaft: Stuttgart
HRB-Nr.: 25189, AG Stuttgart
WEEE-Reg.-Nr.: DE79679404
Ust-ID-NR.: DE814271390

Institut: Citigroup Global Markets Deutschland AG & Co KGaA
Swift: CITIDEFFXXX IBAN: DE34502109000214235005

Tel.: 0800-5511330

Lenovo Lithium Battery Test Summary



LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

Creation data: 31st of July 2020

Version: 001

Product manufacturer`s contact information:

Lenovo (Deutschland) GmbH
Meitnerstrasse 9
70563 Stuttgart
Germany

Phone Number: 0800 5511330

Email: msds@lenovo.com

Web: <https://www.lenovo.com/us/en/compliance/battery-info>

Please note that any phone number and email mentioned in this document are only for inquiries related to the lithium battery test summary. For other questions please contact our customer service or your local Lenovo representative.

<https://www.lenovo.com/>

Lithium Cells and/or batteries included into Lenovo products have been successfully tested and comply with UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

List of tests conducted and results (i.e., pass/fail):

PERFORMED TESTS		RESULTS
38.3.4.1	T1	Altitude Simulation
38.3.4.2	T2	Thermal Test
38.3.4.3	T3	Vibration
38.3.4.4	T4	Shock
38.3.4.5	T5	External Short Circuit
38.3.4.6	T6	Impact / Crush (if applicable)
38.3.4.7	T7	Overcharge (if applicable)
38.3.4.8	T8	Forced Discharge (if applicable)
		Pass

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Test laboratories

The UN 38.3 tests were performed by one of the following test laboratories according to defined edition of UN Manual of Tests and Criteria:

Battery	Address, phone number, email address and website	Edition of UN Manual of Tests and Criteria
Lithium Ion battery Option 1 (secondary)	LG Chem 128, Yeoui-daero Yeongdeungpo-gu, Seoul, Korea Tel: 82-42-870-6195 Email: milkis@lgchem.com Web: www.lgchem.com	Revision 6
Lithium Ion battery Option 2 (secondary)	Simplo No. 471 Pah Teh Rd Sec 2 Hu Kou, Hsinchu Hsien, 202 Taiwan Tel: +886-3-5695920 Email: test_Lab@simplo.com.tw Web: www.simplo.com.tw	Revision 6
Coin Cell (primary)	Panasonic Corporation 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan Telephone/ +81-6-6994-4560 e-mail un38.3_microbattery@ml.jp.panasonic.com URL https://www.panasonic.com/global/home.html	Revision 4

Description of cell or battery

Physical description	Battery or Cell Model number	Unique test report identification number	Date of test report	Battery Voltage (V)	Wh rating or Lithium content(g)	Battery weight (g) Mass
Lithium Ion battery Option 1 (secondary)	SB10K97649	QDI-180803-B-L18L3P71	2018-08-03	11.58	57 Wh	247
Lithium Ion battery Option 2 (secondary)	SB10K97650	SLEU-1807003	2018-07-24	11.52	50.08 Wh	220
Coin Cell (primary)	Coin Cell	CR2032_UN38.3.pdf / CP0008-10	2008-08-05	3.0	0.07 g	2.9

Assembled Battery Testing Requirements:

Not Applicable

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Supplier reports

Lenovo ASM Part Number	Supplier summary attached*	Supplier summary weblink
SB10K97649	yes	https://static.lenovo.com/www/docs/regulatory/SB10K97649_UN38.3.pdf
SB10K97650	yes	https://static.lenovo.com/www/docs/regulatory/msds/SB10K97650_UN38.3.pdf
Coin Cell	yes	https://static.lenovo.com/www/docs/regulatory/msds/2019/CR2032_UN38.3.pdf

*If "No" report can be requested via msds@lenovo.com



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