

Test summary according to UN 38.3 for Green Cell laptop batteries - DE

Version: 1

Dated: 2022-04-14



1. Cell, battery of product manufacture

CSG S.A.

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<https://greencell.global/>

2. Battery transportation information

We, CSG S.A, hereby declare that the products described in this document have been tested in accordance with UN Manual of Tests and Criteria Section 38.3 Rev. 7 (ST/SG/AC.10/11/Rev. 7, Section 38.3).

Table 1. Description of tested products

Item	Description	Capacity	Voltage	Weight	Report no.	Issue date	Lab.
DE01	Li-ion battery	4400 mAh, 49 Wh	11.1 V	315.9 g	LCS210308312ASA100	2021-04-09	A
DE02D	Li-ion battery	6600 mAh, 73 Wh	11.1 V	465.3 g	LCS210308313ASA100	2021-04-09	A
DE04	Li-ion battery	4400 mAh, 49 Wh	11.1 V	305.5 g	LCS210308314ASA100	2021-04-09	A
DE04PRO	Li-ion battery	5200 mAh, 58 Wh	11.1 V	307.8 g	LCS210308364ASA100	2021-07-12	A
DE04ULTRA	Li-ion battery	6800 mAh, 75 Wh	11.1 V	330.4 g	LCS210308381ASA100	2021-07-12	A
DE05	Li-ion battery	4400 mAh, 49 Wh	11.1 V	304.7 g	LCS210308315ASA100	2021-04-09	A
DE09	Li-ion battery	4400 mAh, 49 Wh	11.1 V	303.9 g	LCS201226235ASA	2021-04-08	A
DE10	Li-ion battery	6600 mAh, 73 Wh	11.1 V	453.5 g	LCS201226236ASA	2021-04-08	A
DE106	Li-ion battery	6600 mAh, 73 Wh	11.1 V	468.9 g	LCS210308316ASA100	2021-04-09	A
DE108	Li-ion battery	4400 mAh, 49 Wh	11.1 V	322.2 g	LCS210308368ASA100	2021-07-12	A
DE109	Li-ion battery	2200 mAh, 33 Wh	14.8 V	229.6 g	LCS210308372ASA100	2021-07-12	A
DE112	Li-ion battery	3800 mAh, 56 Wh	14.8 V	300.9 g	LCS210308375ASA100	2021-07-12	A
DE116	Li-ion battery	2800 mAh, 31 Wh	11.1 V	168.3 g	LCS210308480ASA100	2021-04-09	A
DE117	Li-ion battery	2900 mAh, 32 Wh	11.1 V	183.8 g	LCS210308371ASA100	2021-07-12	A
DE124	Li-ion battery	4400 mAh, 49 Wh	11.1 V	254.7 g	LCS210308493ASA100	2021-04-09	A
DE135	Li-ion battery	7200 mAh, 55 Wh	7.6 V	228.6 g	LCS210308497ASA100	2021-04-09	A
DE138	Li-ion battery	3500 mAh, 53 Wh	15.2 V	240 g	MOICSK3J31378521	2021-01-01	B
DE139	Li-ion battery	4400 mAh, 50 Wh	11.4 V	225.8 g	LCS210308494ASA100	2021-04-09	A
DE140	Li-ion battery	7300 mAh, 83 Wh	11.4 V	328 g	MOICSK3J31378521	2021-01-01	B
DE143	Li-ion battery	6300 mAh, 48 Wh	7.6 V	241.4 g	MOICSK3J31378521	2021-01-01	B
DE144	Li-ion battery	3100 mAh, 35 Wh	11.4 V	161 g	MOICSK3J31378521	2021-01-01	B
DE148	Li-ion battery	5800 mAh, 44 Wh	7.6 V	222.1 g	LCS210308501ASA100	2021-04-09	A
DE150	Li-ion battery	3400 mAh, 39 Wh	11.4 V	171.1 g	LCS210308376ASA100	2021-07-12	A
DE24	Li-ion battery	4400 mAh, 49 Wh	11.1 V	311.5 g	LCS210308476ASA100	2021-04-09	A
DE25	Li-ion battery	6600 mAh, 73 Wh	11.1 V	485.1 g	LCS210308444ASA100	2021-04-08	A
DE39	Li-ion battery	4400 mAh, 49 Wh	11.1 V	307.4 g	LCS210308485ASA100	2021-04-09	A

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DE40	Li-ion battery	6600 mAh, 73 Wh	11.1 V	460.1 g	LCS210308370ASA100	2021-07-12	A
DE40PRO	Li-ion battery	7800 mAh, 87 Wh	11.1 V	459.3 g	LCS210308366ASA100	2021-07-12	A
DE45	Li-ion battery	4400 mAh, 49 Wh	11.1 V	351.5 g	LCS210308475ASA100	2021-04-09	A
DE55	Li-ion battery	4400 mAh, 49 Wh	11.1 V	320.7 g	LCS210308495ASA100	2021-04-09	A
DE55PRO	Li-ion battery	5200 mAh, 58 Wh	11.1 V	321.9 g	LCS210308335ASA100	2021-07-07	A
DE56	Li-ion battery	6600 mAh, 73 Wh	11.1 V	467.8 g	LCS210308342ASA100	2021-07-09	A
DE56TPRO	Li-ion battery	7800 mAh, 86 Wh	11.1 V	471.3 g	LCS210308355ASA100	2021-07-12	A
DE61	Li-ion battery	6600 mAh, 73 Wh	11.1 V	459.1 g	LCS210308472ASA100	2021-04-09	A
DE62	Li-ion battery	7800 mAh, 87 Wh	11.1 V	515 g	MOICSK3J31378521	2021-01-01	B
DE69	Li-ion battery	4400 mAh, 49 Wh	11.1 V	319.9 g	LCS210308502ASA100	2021-04-09	A
DE74	Li-ion battery	6600 mAh, 73 Wh	11.1 V	466.3 g	LCS210308477ASA100	2021-04-09	A
DE74PRO	Li-ion battery	7800 mAh, 87 Wh	11.1 V	470.5 g	LCS210308354ASA100	2021-07-12	A
DE77	Li-ion battery	2200 mAh, 33 Wh	14.8 V	215.7 g	LCS210308448ASA100	2021-04-08	A
DE77PRO	Li-ion battery	2600 mAh, 38 Wh	14.8 V	214.3 g	LCS210308388ASA100	2021-07-12	A
DE77ULTRA	Li-ion battery	3400 mAh, 50 Wh	14.8 V	224.6 g	LCS210308329ASA100	2021-07-07	A
DE80	Li-ion battery	4400 mAh, 49 Wh	11.1 V	310.2 g	LCS210308474ASA100	2021-04-09	A
DE83	Li-ion battery	3400 mAh, 38 Wh	11.1 V	204.5 g	LCS210308479ASA100	2021-04-09	A
DE85	Li-ion battery	6300 mAh, 47 Wh	7.4 V	243.4 g	LCS210308481ASA100	2021-04-09	A
DE93	Li-ion battery	4500 mAh, 33 Wh	7.4 V	212 g	LCS210308384ASA100	2021-07-12	A

3. Test summary

Name of test laboratory (A)

Shenzhen LCS Compliance Testing Laboratory Ltd.

Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Streetm Boa'an District, Shenzhen, Guangdong, China

Name of test laboratory (B)

Pony Testing International Group

1F., Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen, China

Table 2. List of test results

Clause	Test item	Conclusion
38.3.4.1	Altitude simulation	Pass
38.3.4.2	Thermal Test	Pass
38.3.4.3	Vibration	Pass
38.3.4.4	Shock	Pass
38.3.4.5	External short circuit	Pass
38.3.4.6	Crush/Impact	Pass
38.3.4.7	Overcharge	Pass

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Clause	Test item	Conclusion
38.3.4.8	Forced discharge	Pass

Signed for and on behalf of:

Date:

Marcin Gaska
Certification Specialist

2022-04-14

A handwritten signature in black ink, appearing to read 'Marcin Gaska', is written over the printed name and title.