

# 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

2022-04-14

Certification Specialist

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