

Test summary according to UN 38.3 - CAV

Version: 1

Dated: 2022-01-28



1. Cell, battery or product manufacturer

CSG S.A.

ul. Kalwaryjska 33

30-50 Kraków, Poland

+48 12 4444 6247

<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.

Table 1. Description of tested products

Item	Description	Capacity	Voltage	Weight	Report no.	Issue date	Lab.
CAV01	LiFePO ₄ battery	42 Ah, 538 Wh	12.8 V	6.1 kg	DCW201900219	2019-01-16	A
CAV02	LiFePO ₄ battery	120 Ah, 1536 Wh	12.8 V	18.7 kg	DCW201900216	2019-01-16	A
CAV03	LiFePO ₄ battery	172 Ah, 2200 Wh	12.8 V	26.6 kg	DCW201900213	2019-01-18	A
CAV04	LiFePO ₄ battery	200 Ah, 2560 Wh	12.8 V	22.2 kg	TCT200930B051	2020-10-16	B
CAV05	LiFePO ₄ battery	100 Ah, 1280 Wh	12.8 V	11.0 kg	TCT200930B052	2020-10-16	B
CAV06	LiFePO ₄ battery	50 Ah, 640 Wh	12.8 V	5.4 kg	TCT200930B050	2020-10-19	B
CAV07	LiFePO ₄ battery	20 Ah, 256 Wh	12.8 V	2.3 kg	TCT200930B054	2020-10-16	B
CAV08	LiFePO ₄ battery	12 Ah, 154 Wh	12.8 V	1.4 kg	TCT200930B053	2020-10-16	B
CAV09	LiFePO ₄ battery	7 Ah, 90 Wh	12.8 V	0.9 kg	TCT210106B139	2021-01-22	B
CAV10	LiFePO ₄ battery	10 Ah, 128 Wh	12.8 V	1.1 kg	TCT210106B141	2021-01-19	B
CAV11	LiFePO ₄ battery	60 Ah, 768 Wh	12.8 V	5.8 kg	TCT210106B140	2021-01-22	B
CAV12	LiFePO ₄ battery	80 Ah, 1024 Wh	12.8 V	10.5 kg	TCT210106B142	2021-01-20	B
CAV13	LiFePO ₄ battery	125 Ah, 1600 Wh	12.8 V	12.7 kg	TCT210106B143	2021-01-20	B

3. Test summary

Name of test laboratory (A)

South China National Centre of Metrology, Guangdong Institute of Metrology

No. 30, Songbaidong Street, Guangyuanzhong Road, Guangzhou, China

Name of test laboratory (B)

Shenzen TCT Testing Technology Co., Ltd.

1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

Test summary according to UN 38.3 - CAV

Version: 1

Dated: 2022-01-28



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	Impact/Crush	Pass
38.3.4.7	Overcharge	Pass
38.3.4.8	Forced discharge	Pass

Signed for and on behalf of:

Date:

A handwritten signature in black ink, appearing to read 'Marcin Gaska'.

2022-01-28

Marcin Gaska
Certification Specialist