



UN 38.3 Test Report Summary according to Sub-Section 38.3.5

Name of the battery

STILL Li-Ion Standard 48/90V

Name of the cells inside the battery

Depending on the battery type (see chapter battery description)

For BG50.01:

Ruipu Energy Co.,Ltd. CB54173200EA 3,2V 205Ah 656Wh

For BG50.02 & BG51.02:

Ruipu Energy Co.,Ltd. CB71173204EB 3,2V 280Ah 896Wh

For BG50.03, BG51.03 & BG53.02:

Ruipu Energy Co.,Ltd. CB54173200EB/3.2V/230Ah/736Wh

Contact details of the battery manufacturer

Name: STILL GmbH
Address: Berzeliusstraße 10, 22113 Hamburg, Germany
Phone: +49 (0) 40 7339-0
E-Mail: info@still.de
Website: www.still.de

Test laboratory of the battery

Name: CVC Testing Technology Co., Ltd.
Address: No.3,Tiantai 1st Rd.,Kaitai Ave.,Science City,Guangzhou,GD,CN/Bldg.D BASIGO INTELLIGENT,No.179,Guangpu E. Rd.,Huangpu Dist.,Guangzhou, PRC
Phone: +86-20-32293888
E-Mail: office@cvc.org.cn
Website: <http://www.cvc.org.cn>

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Test report of the battery

Battery Type (see type plate)	Test Report ID Number	Test Report Date	Comment
50.01	RZUN2025-2879	2025-03-27	-
50.02	RZUN2025-2880	2025-03-27	-
50.03	RZUN012025-1342	2025-08-29	-
51.02	RZUN012025-1344	2025-08-29	-
51.03	RZUN012025-1343	2025-08-29	-
53.02	RZUN012025-1342	2025-08-29	The BG53.XX battery family is a subcategory of the BG50.XX battery family and has identical electrical behavior. Therefore, the tests carried out for the BG50.XX battery family at cell/module and pack level are also applicable to the BG53.XX battery family.

Description of the battery

Battery Type (see type plate)	Chemistry Type	Nominal Voltage [V]	Weight net. (without add. Weights) [kg] ± 5 %	Dimensions (without add. weights) [mm] L x H x W	Installed Energy [kWh]	Physical description: The rechargeable battery pack (BG5X.XX) with an integrated BMS is a combination of modules:
						Module model number
50.01	Lithium-Ion	51,2	355	830 x 620 x 432	21,0	C2204B05CA
50.02					28,7	C2204B40CA
50.03					23,6	C2204B41CA
51.02		89,6	647	1028 x 531 x 708	50,2	C2204B40CA
51.03		41,2	C2204B41CA			
53.02		51,2	248	680 x 597 x 680	23,6	C2204B41CA

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List of tests performed and results

Performed Tests	Not Applicable	Pass	Comment
T.1 – Altitude Simulation	✓		covered by cell or module tests
T.2 – Thermal Test	✓		covered by cell or module tests
T.3 – Vibration	✓		covered by cell or module tests
T.4 – Shock	✓		covered by cell or module tests
T.5 – External Short Circuit	✓		covered by cell or module tests
T.6 – Impact	✓		covered by cell or module tests
T.6 – Crush	✓		covered by cell or module tests
T.7 – Overcharge	✓		covered by cell or module tests
T.8 – Forced Discharge	✓		covered by cell or module tests
(I) Overcharge		✓	Batteries (>6200 Wh) assembled with tested batteries
(II) Short Circuit		✓	Batteries (>6200 Wh) assembled with tested batteries
(III) Over Discharge		✓	Batteries (>6200 Wh) assembled with tested batteries

UN 38.3 test confirmation for the cells inside the battery & Test report ID

Cell Manufacturer	Rated Capacity [Ah]	Cell Model Number	Test Report ID	UN 38.3 Test confirmed
Ruipu Energy Co.,Ltd	205	CB54173200EA	RZUN2020-2168	✓
	280	CB71173204EB	RZUN2021-0923	✓
	230	CB54173200EB	RZUN2021-0609-M1	✓



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Reference to assembled battery testing requirements

Applicable, reference to 38.3.3 (g)

Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto

ST/SG/AC.10/11/Rev.8/ Section 38.3

Signature & Indication of the validity of information provided

We hereby confirm that every listed battery type has been verified to comply with the requirements of the applicable tests specified in the UN Manual of Tests and Criteria, ST/SG/AC.10/11/Rev.8, Part III, Sub-Section 38.3.

Signed for and on behalf of: STILL GmbH

Hamburg, 22-Jan-2026

[Heiko Sippel \(Jan 22, 2026 08:12:09 GMT+1\)](#)

Heiko Sippel
Senior Director New Energy – CTO