

EN 12184

Electrically powered wheelchairs, scooters and their chargers — Requirements and test methods

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Testing laboratory.....	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Address.....	588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.
Applicant.....	Zhejiang Innuovo Rehabilitation Device Co., Ltd.
Address.....	No. 196 Industry Road, Hengdian Movie Zone, Dongyang, Zhejiang, China
Test Specification:	
Standard.....	EN 12184:2014
Test procedure.....	SGS-CSTC
Non-standard test method.....	N/A
Test item description.....	Power Wheelchair
Trademark.....	N/A
Manufacturer.....	Zhejiang Innuovo Rehabilitation Device Co., Ltd. No. 196 Industry Road, Hengdian Movie Zone, Dongyang, Zhejiang, China
Model/type reference.....	W5907(Q50 R Carbon)
Series/Batch No.	A301032907021021
Type Class& Maximum Speed.....	Class A, 6 km/h
Maximum Occupant mass.....	136 kg
Power Rating.....	Motor power: 250 W Charger (Model: QL-09005-B2402000F) Input: AC 100-240 V, 50-60 Hz, 65 W, Class II Output: 24 Vdc, 2 A Rechargeable Li-ion Battery (Model: HC-149 24V10Ah) 24 Vdc, Nominal 240 Wh x 2



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Testing Center WCB Laboratory

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List of Attachments (including a total number of pages in each attachment):

Attachment 1: Technical documentation for 14 pages.

Attachment 2: Photos documentation for 8 pages.

Summary of testing

The wheelchair has been tested and found to be compliant with applicable requirements in this standard.

Tests performed (name of test and test clause):

- 8.1.2 Ability to climb rated slope
- 8.1.3 Ground unevenness
- 8.1.4 Maximum downhill speed
- 8.1.5 Dynamic stability
- 8.1.6 Obstacle climbing and descending
- 8.1.7 Static stability
- 8.1.8 Maximum speed
- 8.1.9 Distance range
- 8.2 Static, impact and fatigue strength
- 8.4 Climatic performance
- 9.1.2.2 Test for foot support gap
- 9.2 Component mass
- 9.5 Resistance to ignition
- 10.1.2 Test for determination of brake operating forces
- 10.2.2.1 Test for determination of the effectiveness of running brakes
- 10.2.2.2 Test for determination of effectiveness of parking brakes
- 10.2.2.3 Test for protrusion of parts of the parking brakes
- 10.2.2.4 Test method for fatigue strength of parking brakes
- 10.3 Test for freewheel device
- 11.1 Operations intended to be carried out by the occupant and/or assistant
- 11.2 Operations intended for operation by the occupant
- 11.3 Operations intended for operation by an assistant
- 11.5 Test for Operating forces
- 11.6 Seating adjustments for tilt and recline systems
- 12.2 Circuit protection
- 12.3 Battery chargers
- 12.8 Switching off while driving

Testing location:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
588 West Jindu Rd, Xinqiao, Songjiang 201612 Shanghai CHINA

Summary of compliance with National Differences (List of countries addressed):

N/A



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GENERAL INFORMATION	
Test item particulars	
Intended environment of use.....	Indoor
Type of battery charger.....	Off-board
Accessories and detachable parts included.....	Controller, Seat cushion, Back cushion, Lithium battery charger
Other options include.....	N/A
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement.....	P (Pass)
- test object was not evaluated for the requirement:	N/E
- test object does not meet the requirement.....	F (Fail)
Testing	
Date of receipt of test item.....	2021-01-10
Date (s) of performance of tests.....	2020-01-11 to 2021-08-17
General remarks:	
<p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</p>	
Manufacturer's Declaration:	
<p>The application for obtaining a Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable</p>	
Name and address of factory (ies).....	Zhejiang Innuovo Rehabilitation Device Co., Ltd. No. 196 Industry Road, Hengdian Movie Zone, Dongyang, Zhejiang, China



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