

Technical Report No.: 68.282.26.03282.01

Date: 2026-06-18

Client: **Name:** SHENZHEN TRITEK LIMITED

Address: No. 1601, Building A, Delux Silicon Valley, No. 8, Juhelu, Zhukeng Community, Longtian Street, Pingshan District, 518118 Shenzhen City, PEOPLE'S REPUBLIC OF CHINA

Contact person: N/A

Manufacturer: **Name:** SHENZHEN TRITEK LIMITED

Address: No. 1601, Building A, Delux Silicon Valley, No. 8, Juhelu, Zhukeng Community, Longtian Street, Pingshan District, 518118 Shenzhen City, PEOPLE'S REPUBLIC OF CHINA

Contact person: N/A

Factory: **Name:** Anhui tritekpower co., Ltd.

Address: Building 15, Gongtong Industrial Zone, No.9 Zimei Road, Suchu High-tech Industrial Park, 239000 Chuzhou, Anhui, PEOPLE'S REPUBLIC OF CHINA

Contact person: N/A

Test object: **Product:** Rechargeable Li-ion Battery

Model: TP6136N200

Trade mark: **TRITEK** TRITEK

Test specification: EN 50604-1:2016/A1:2021

Purpose of examination: Testing and evaluation according to the test specification

Test result: ☒ The test results show that the presented product is in compliance with the above listed test specifications.

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1. Description of the test object

1.1 Picture(s)



1.2 Function

(Rechargeable Li-ion Battery for Light EV (electric vehicle) applications)

Manufacturer's specification for intended use:
(According to the user manual)

1.3 Consideration of the foreseeable use

- ☐ Not applicable
- ☒ Covered through the applied standard
- ☐ Covered by the following comment*
- ☐ Covered by attached risk analysis

*

1.4 Technical Data

1. The Rechargeable Li-ion Battery is used for Light EV (electric vehicle) applications and consists of 3 cells connected in parallel as a group, and then 10 cellblocks connected in series, cell model: CC5563F101. The cell has been approved by TÜVRheinland with IEC 62133-2:2017, IEC 62133-2:2017/AMD1:2021. The cell has also been tested according to UN-T 38-3.

2. The actual nominal voltage of battery should be 36.36V, 36V marked on label is end product requirement. After evaluating, it is not affecting the safety.

3. Additionally, details information of the battery as following:

Product name	Lithium-ion Rechargeable Cell	Rechargeable Li-ion Battery
Type /model	CC5563F101	TP6136N200
Nominal voltage	3.636V	36V
Rated capacity	5500mAh	16.5Ah
Charging voltage declared by manufacturer	4.2V	42.0V
Upper limit charging voltage	4.25V	42.3V
Charging current declared by manufacturer	1100mA	4A
Maximum continuous charging current	5500mA	8A
Discharging current declared by manufacturer	1100mA	15A
Maximum continuous discharging current	11000mA	29A
End of discharge voltage	2.5V	27.5V
Lower limit discharge voltage	2.5V	-
Standard temperature range for charging	0°C to 45°C	1°C to 45°C (Charge may be prohibited due to temperature protection under 1°C to 4°C and 42°C to 45°C)
Standard temperature range for discharging	-20°C to 60°C	-20°C to 60°C (Discharge may be prohibited due to temperature protection under -20°C to -15°C)
Max. permitted surface temperature for cell	70°C for charge and discharge	-
Standard charging method by manufacturer	1100mA CC to 4.2V, 4.2V CV to 55mA.	Charge at constant current 4.0A until voltage reaches 42V, then

		charge at constant voltage 42V till charge current is 400mA.
Dimension	-	HxWxL: (64.5±0.3×70.0±0.3×433.41±0.5) mm
Weight	-	3.0kg±0.1kg
Configuration	-	3P10S
Overcharge voltage protection	-	1 st : 4.25V±50mV / cell 2 nd : 4.35V±50mV / cell
Over discharge voltage protection	-	2.650V±50mV / cell
Overcurrent protection under discharge	-	1 st : 33A±2A 2 nd : 90A±9A(Fuse can last ≤60S at 90A)
Overcurrent protection under charge	-	1 st : 14A±1A 2 nd : 16A±1A
Over temperature protection for charge	-	1 st : 45°C ±3°C 2 nd : 55°C ±5°C (Fuse)
Under temperature protection for charge	-	1 st : 1°C ±3°C 2 nd : -5°C ±5°C (Fuse)
Over temperature protection for discharge	-	1 st : 65°C ±3°C 2 nd : 70°C ±5°C (Fuse)
Under temperature protection for discharge	-	1 st : -20°C ±3°C 2 nd : -25°C ±5°C (Fuse)
Remark: The final evaluation of the battery must be conducted in the end-device for which the battery will be used.		

2. Order

2.1 Date of Purchase Order, Customer's Reference

2026-03-06

2.2 Test Sample(s)

- Reception date(s): 2026-03-12
- Location(s) of reception: Shenzhen ENE-BAT department
- Condition of test sample(s): Complete

Report No.:
68.282.26.03282.01
Rev.: 00
Date: 2026-06-18

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu,
Nantou, Nanshan District, Shenzhen, Guangdong 518052

Tel: +86 755 8828 6998

2.3 Testing

- Testing date(s): 2026-03-13 to 2026-06-02
- Location(s) of testing: Name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Address 1: Building A2, Jin'ao Industrial Park, No.150, Jingfang Road, Fuhai, Bao'an District, Shenzhen, Guangdong 518103, China
Address 2: Building 6, 12 & 13, Zhiheng Wisdomland Business Park, Nantou Checkpoint Road 2 518052, Shenzhen, Guangdong Province, China

3. Test Results

- ☒ Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3.3 Simple acceptance was applied.
- ☐ Decision rule according to customer's requirements was applied. It is:
- ☐ Decision rule according to ILAC-G8:09/2019 clause 4.2.2 Binary statement with guard band - guard band length = 95 % extended measurement uncertainty, was applied.
- ☐ Decision rule according to ILAC-G8:09/2019 clause 4.2.3 Non-binary statement with guard band - guard band length = 95% extended measurement uncertainty was applied for an upper specification limit (A lower limit or specification with an upper and a lower limit is treated similarly.):
 - Pass - the measured result is below the specification limit minus the guard band.
 - Fail - the measured result is above the specification limit plus the guard band.
 - Conditional Pass - the measured result is inside the guard band and below the specification limit.
 - Conditional Fail - the measured result is above the specification limit but below the specification limit plus the guard band.
- ☐ There are no statements to conformity or no results with measurand stated in this report, no decision rule has been applied.

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	68.282.26.03282.01	2026-06-18	-

4. Test History

N/A

5. Remarks

5.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

5.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

- ☒ Annual (12 month)
- ☐ Bi-Annual (6 month)
- ☐ Quarterly (3 month)
- ☐

5.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

Routine test requirements for production are described in

☐ Required

☒ *Not Required*

Reason for non-requirement:

☒ Class III product

☐ Other:

- 5.4** When the product is placed on the market, it must be accompanied with safety Instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance.
- 5.5** When measurement results are close to limit value of specified requirement, manufacturer shall take actions during the production process to keep the limit, especially if the result of a measurement is in a bandwidth within $\pm 10\%$ to the limit value.

6. Documentation

File	File name	Date
Data form (CDF):	68.282.26.03282.01 CDF_B	2026-06-18
Photo documentation:	68.282.26.03282.01 DOC_B	2026-06-18
Installation manual:	68.282.26.03282.01 MAN_B	2026-06-18

7. Summary

☒ The test specification(s) is (are) met.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Tested by:

Sky Mao, Project Handler
printed name, function & signature

Approved by:

Kevin Zou, Designated Reviewer
printed name, function & signature

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