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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46383.302-2025

**E-Transporters - Part 3-2: Performance test methods for
mobility of cargo e-transporters**

电气运输设备 第3-2部分：载物电气运输设备移动性能测试方法
(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 3-2 of GB/T 46383 "Electrical Transport Equipment". GB/T 46383 has already published the following parts.

---Part 3-1.Performance testing methods for the total running time of electric scooters under different temperature conditions;

---Part 3-2.Test methods for the mobility performance of electrical transport equipment carrying goods.

This document is equivalent to IEC 63281-3-2:2024 "Electrical transport equipment - Part 3-2.Measurement of the mobility performance of electrical transport equipment carrying goods".

Trial method.

The following minimal editorial changes have been made to this document.

---To avoid ambiguity, a note has been added for the term "rated speed" (see 3.2);

---To be consistent with commonly used expressions, the unit "RH" for "relative humidity" is added (see 4.2).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the China Electrical Equipment Industry Association.

Introduction

Performance refers to the ability of electrical transportation equipment to operate normally and stably in its application scenario; it affects the working efficiency and...

One of the important factors. To standardize the performance evaluation and related assessment methods for electrical transport equipment, and to define the products and categories of electrical transport equipment.

The formulation and revision of standards lay the technical foundation. GB/T 46383 "Electrical Transport Equipment" specifies the performance test conditions and samples for electrical transport equipment.

The preparation, performance indicators, and testing methods are proposed to consist of two parts.

---Part 3-1. Performance Testing Methods for Total Running Time of Electric Scooters under Different Temperature Conditions. The purpose is to clarify the performance testing methods for the total running time of electric scooters under different temperature conditions.

When considering actual operating temperature conditions, the standard atmospheric conditions, sample preparation, and test methods for conducting total operating time tests on the flatbed truck are as follows.

And the requirements of the test results.

---Part 3-2. Test Methods for the Mobility Performance of Electrically Operated Transport Equipment. The purpose is to determine the maximum speed of electrically operated transport equipment.

Degree, maximum climbing angle, maximum climbing speed, turning characteristics, groove detection, narrowest pass width, specific object detection, typical object A method for testing the mobility performance of a body at a detection distance.

Electrical transport equipment, Part 3-2. Cargo electrical systems Test methods for the mobility performance of transportation equipment

1 Scope

This document specifies the performance determination and evaluation methods related to the mobility performance of electrical transport equipment.

This document applies to electrical transport equipment (electric freight transport equipment) designed for use in transporting goods on public roads or in public spaces.

(Note. This is a partial sentence and doesn't need to be translated.) Typical application scenarios for electrical transport equipment include hotels, restaurants, office buildings, hospitals, industrial/entertainment parks, and public roads.

This document does not include security and performance requirements.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

The terminology databases maintained by ISO and IEC for standardization are located at the following address.

Cargo-transporters (CeT) Electrical transport equipment specifically designed for the transport of goods.

[Source. GB/T 43867-2024, 3.4] 3.2 Rated speed the maximum permissible travel speed of CeT under rated load and normal operating conditions without any performance degradation.

Note: Rated speed is less than or equal to maximum speed.

Rated load

The maximum permissible weight of goods that CeT can transport, as specified by the manufacturer.

[Source. GB/T 43867-2024, 3.14, with modifications] 3.4 Localization the process of confirming or identifying the location of CeT in an environment map.

[Source. GB/T 43867-2024, 3.21, with modifications]