

Electrically propelled road vehicles - Measurement of road operating ability - Part 2: Thermal electric hybrid vehicles

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hybrid vehicles

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1821-2:2001 sisaldab Euroopa standardi EN 1821-2:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1821-2:2001 consists of the English text of the European standard EN 1821-2:1999.</p> <p>This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard specifies the principles, conditions and procedures of the test methods to measure the road performances of the partially electrically propelled road vehicle (Hybrid vehicles).</p>	<p>Scope: This standard specifies the principles, conditions and procedures of the test methods to measure the road performances of the partially electrically propelled road vehicle (Hybrid vehicles).</p>
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ICS 43.120

Võtmesõnad:

English version

**Electrically propelled road vehicles – Measurement of
road operating ability**

Part 2: Thermal electric hybrid vehicles

Véhicules routiers à propulsion
électrique – Mesurage des capacités
routières – Partie 2: Véhicules hybrides
électriques thermiques

Elektrisch angetriebene Straßen-
fahrzeuge – Messverfahren für Fahr-
eigenschaften – Teil 2: Hybride-
Elektrofahrzeuge mit einem
Verbrennungsmotor

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 301 "Electrically propelled road vehicles", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 1999, and conflicting national standards shall be withdrawn at the latest by September 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

The European Standard prEN 1821 applies to measurement of road operating ability of electrically propelled road vehicles and comprises the following parts :

- Part 1 : Pure electric vehicles ;
- Part 2 : Thermal electric hybrid vehicles ;
- Part 3 : Other electric hybrid vehicles than those fitted with a thermal machine.

1 Scope

This standard specifies the principles, conditions and procedures of the test methods to measure the road performances of the partially electrically propelled road vehicles (Hybrid vehicles).

This standard is applicable to the concept of road performances which comprises the notions of speed, acceleration, hill climbing ability.

This standard applies to the international categories of vehicles M₁, M₂, M₃, N₁, N₂, N₃¹⁾, and to motor tricycles and quadricycles²⁾ from the motorcycles types.

This standard does not apply to pure electric propelled road vehicles.

2 Normative reference

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1821-1	1996	Electrically propelled road vehicles – Measurement of road operating ability – Part 1 : Pure electric vehicles
ISO 1176	1990	Road vehicles - Masses - Vocabulary and codes.

3 Definitions

For the purpose of this European Standard, the definitions from EN xxxx the following ones apply:

3.1 complete vehicle kerb mass VKM

The definition of ISO-M06 in accordance with ISO 1176 applies.

NOTE The complete vehicle kerb mass VKM includes, in addition to the definition of ISO 1176, the traction battery, on board charger, portable charger or part of it if provided as standard by the manufacturer of the vehicle.

3.2 maximum design total mass MTM

The definition of ISO-M07 in accordance with ISO 1176 applies.

NOTE The maximum design total mass MTM is defined by the vehicle manufacturer.

3.3 test mass

The test mass of the vehicle is the complete vehicle kerb mass plus:

- the total pay load if the pay load including driver is less than 180 kg ;

¹⁾ Categories of vehicles M₁, M₂, M₃, N₁, N₂ and N₃ are defined in Directive 92/53/EEC.

²⁾ Motor tricycles and quadricycles categories are defined in Directive 92/61/EEC.