



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61851-21:2002

ICS 43.120

**ELECTRIC VEHICLE CONDUCTIVE  
CHARGING SYSTEM  
PART 21: ELECTRIC VEHICLE  
REQUIREMENTS FOR CONDUCTIVE  
CONNECTION TO AN A.C./D.C. SUPPLY  
(IEC 61851-21:2001)**

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EUROPEAN STANDARD

**EN 61851-21**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2002

ICS 43.120

English version

**Electric vehicle conductive charging system  
Part 21: Electric vehicle requirements  
for conductive connection to an a.c/d.c. supply  
(IEC 61851-21:2001)**

Système de charge conductive  
pour véhicules électriques  
Partie 21: Exigences concernant le  
véhicule électrique pour la connexion  
conductive à une alimentation en  
courant alternatif ou continu  
(CEI 61851-21:2001)

Konduktive Ladesysteme  
für Elektrofahrzeuge  
Teil 21: Anforderung eines  
Elektrofahrzeuges für konduktive  
Verbindung an AC/DC-Versorgung  
(IEC 61851-21:2001)

This European Standard was approved by CENELEC on 2001-12-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**



## Foreword

The text of document 69/128/FDIS, future edition 1 of IEC 61851-21, prepared by IEC TC 69, Electric road vehicles and electric industrial trucks, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61851-21 on 2001-12-04.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2002-10-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2005-01-01

This European Standard shall be read in conjunction with EN 61851-1.

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61851-21:2001 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60065	NOTE	Harmonized as EN 60065:1998 (modified).
IEC 60245-1	NOTE	In Europe, HD 22.1 S3:1997 applies.
IEC 60245-2	NOTE	In Europe, HD 22.2 S3:1997 applies.
IEC 60245-3	NOTE	In Europe, HD 22.3 S3:1995 + A1:1999 applies.
IEC 60245-4	NOTE	Harmonized as HD 22.4 S3:1995 (modified) + A1:1999.
IEC 60309-1	NOTE	Harmonized as EN 60309-1:1999 (not modified).
IEC 60364-1	NOTE	Harmonized as HD 384.1 S2:2001 (modified).
IEC 60364-4-41	NOTE	Harmonized as HD 384.4.41 S2:1996 (modified).
IEC 60529	NOTE	Harmonized as EN 60529:1991 (not modified).
CISPR 11	NOTE	Harmonized as EN 55011:1998 (modified) + A1:1999 (not modified).
CISPR 22	NOTE	Harmonized as EN 55022:1998 (modified) + A1:2000 (not modified).

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