

STN	Obytné vozidlá na voľný čas Elektrické inštalácie pre malé napätia 12 V s jednosmerným prúdom Časť 2: Motorové karavany	STN EN 1648-2 30 0276
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Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 2: Motor caravans

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/18

Obsahuje: EN 1648-2:2018

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 1648-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 1648-2:2012

English Version

Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 2: Motor caravans

Véhicules habitables de loisirs - Installations
électriques à très basse tension de 12 V en courant
continu - Partie 2: Autocaravanes

Bewohnbare Freizeitfahrzeuge - Elektrische Anlagen
für DC 12 V - Teil 2: Motorcaravans

This European Standard was approved by CEN on 20 November 2017.

CEN 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 CEN-CENELEC Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN 1648-2:2018 (E)

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EN 1648-2:2018 (E)**European foreword**

This document (EN 1648-2:2018) has been prepared by Technical Committee CEN/TC 245 "Leisure accommodation 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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1648-2:2012.

EN 1648, *Leisure accommodation vehicles — 12 V direct current extra low voltage electrical installations*, is currently composed with the following parts:

- *Part 1: Caravans;*
- *Part 2: Motor caravans.*

In relation to EN 1648-2:2012, the main technical changes are:

- a) Figure 1 modified by removing EN 1645-2 and EN 1646-2 which were withdrawn;
- b) Clause 4 "Power supply" restructured;
- c) in 4.3.6 "Auxiliary battery compartment", structure modified and specified;
- d) in 4.3.7 "Warning notice" the graphical symbol and marking changed;
- e) in 5.2.6 "Auxiliary battery cables", thickness for sheathing and taping added;
- f) in 6.1 "Protection of positive conductors", distance to base vehicle to specified and new Figure 2 added;
- g) 6.4 "Prohibited locations" modified;
- h) in Clause 8 "User's handbook", information, when no provision for installation of auxiliary battery is given, added;
- i) normative references updated;
- j) editorially modified.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

Figure 1 gives an overview of the relevant European Standards for caravans, motor caravans and caravan holiday homes.

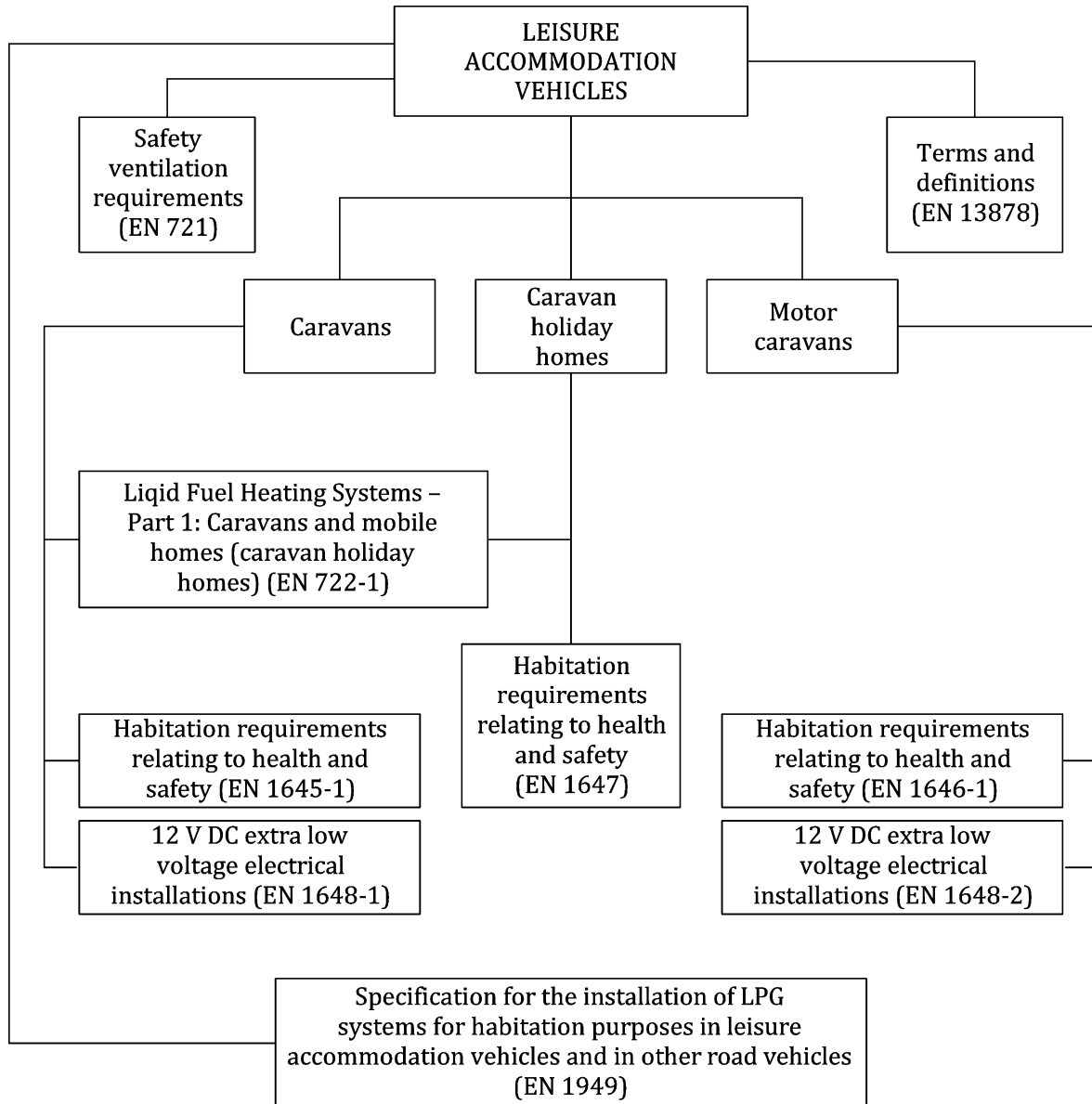


Figure 1 — Overview of relevant European Standards applying to leisure accommodation vehicles

EN 1648-2:2018 (E)**1 Scope**

This European Standard specifies safety, health and functional requirements for 12 V direct current (DC) extra low voltage (ELV) electrical installations for habitation aspects of motor caravans.

It applies only to installations which are electrically connected with the electrical installation of the base vehicle or which can be electrically connected with it by means of change-over devices.

This European Standard also specifies the ELV output requirements of low voltage (LV) equipment that may be used to provide an ELV supply but it does not specify safety, technical and functional requirements for LV appliances and installations. Requirements for LV installations are specified in HD 60364-7-721.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50525 (all parts), *Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U₀/U)*

EN 13878, *Leisure accommodation vehicles — Terms and definitions*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

EN 60898-2, *Electrical accessories — Circuit-breakers for overcurrent protection for household and similar installations — Part 2: Circuit-breakers for a.c. and d.c. operation (IEC 60898-2)*

ISO 6722 (all parts), *Road vehicles — 60 V and 600 V single-core cables*

ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

ISO 8820-1, *Road vehicles — Fuse-links — Part 1: Definitions and general test requirements*

ISO 8820-3, *Road vehicles — Fuse-links — Part 3: Fuse-links with tabs (blade type) Type C (medium), Type E (high current) and Type F (miniature)*

ISO 8820-4, *Road vehicles — Fuse-links — Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN