



**SLOVENSKI STANDARD**  
**oSIST prEN 18324:2026**  
**01-maj-2026**

---

**Zahteve in priporočila za dostopnost polnilnih postaj za električna cestna vozila**

Accessibility requirements and recommendations for charging stations for electric road vehicles

Anforderungen und Empfehlungen zur Barrierefreiheit von Ladestationen für Elektrofahrzeuge

Exigences et recommandations d'accessibilité relatives aux bornes de charge pour véhicules routiers électriques

**Ta slovenski standard je istoveten z: prEN 18324**

---

**ICS:**

43.120      Električna cestna vozila      Electric road vehicles

**oSIST prEN 18324:2026**

**en,fr,de**

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 18324**

March 2026

---

ICS 43.120

English version

## Accessibility requirements and recommendations for charging stations for electric road vehicles

Exigences et recommandations d'accessibilité relatives  
aux bornes de charge pour véhicules routiers  
électriques

Anforderungen und Empfehlungen zur Barrierefreiheit  
von Ladestationen für Elektrofahrzeuge

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/CLC/JTC 11.

If this draft becomes a European Standard, CEN and 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.

This draft European Standard was established by CEN and CENELEC in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN and CENELEC members are the national standards bodies and national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation. Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



<b>Contents</b>	<b>Page</b>
European foreword .....	4
Introduction .....	5
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>7</b>
<b>3.1 Terms and definitions</b> .....	<b>7</b>
<b>3.1.1 General terms</b> .....	<b>7</b>
<b>3.1.2 Electric supply equipment</b> .....	<b>8</b>
<b>3.1.3 Modes and functions</b> .....	<b>11</b>
<b>3.1.4 Cords, cables and connection means</b> .....	<b>12</b>
<b>3.2 Abbreviations</b> .....	<b>14</b>
<b>4 General principles</b> .....	<b>14</b>
<b>4.1 General</b> .....	<b>14</b>
<b>4.2 “Design for All” strategy</b> .....	<b>14</b>
<b>4.3 User needs identification</b> .....	<b>15</b>
<b>4.4 Concentric model for design</b> .....	<b>15</b>
<b>5 Key stakeholders</b> .....	<b>15</b>
<b>6 Physical design of EVSE</b> .....	<b>16</b>
<b>6.1 Scope and purpose</b> .....	<b>16</b>
<b>6.2 Location and identification</b> .....	<b>17</b>
<b>6.2.1 General</b> .....	<b>17</b>
<b>6.2.2 Contrasting colours</b> .....	<b>17</b>
<b>6.2.3 Visibility with natural lighting</b> .....	<b>17</b>
<b>6.2.4 Visibility with night lighting</b> .....	<b>18</b>
<b>6.3 Heights of operable elements</b> .....	<b>18</b>
<b>6.4 Handling</b> .....	<b>19</b>
<b>6.4.1 Modes of operation</b> .....	<b>19</b>
<b>6.4.2 Cable assembly design and management</b> .....	<b>19</b>
<b>6.5 User interaction</b> .....	<b>19</b>
<b>6.5.1 Cognitive Accessibility</b> .....	<b>19</b>
<b>6.5.2 Error Management</b> .....	<b>19</b>
<b>7 Site design</b> .....	<b>20</b>
<b>7.1 EVSE placement</b> .....	<b>20</b>
<b>7.1.1 General</b> .....	<b>20</b>
<b>7.1.2 EVSE location</b> .....	<b>20</b>
<b>7.1.3 Spatial requirements and clearances</b> .....	<b>22</b>
<b>7.1.4 Ground surface specifications</b> .....	<b>23</b>
<b>7.2 Built environment around the EVSE</b> .....	<b>23</b>
<b>7.2.1 General</b> .....	<b>23</b>
<b>7.2.2 Pedestrian routes around EVSEs</b> .....	<b>23</b>
<b>7.2.3 Access to Amenities</b> .....	<b>24</b>
<b>7.2.4 Weather protection</b> .....	<b>24</b>
<b>7.2.5 Security considerations</b> .....	<b>24</b>
<b>7.2.6 Lighting</b> .....	<b>25</b>

7.2.7	Site maintenance.....	25
8	Information and communications.....	25
8.1	Digital information and communications.....	25
8.1.1	General .....	25
8.1.2	Pre-charging information provision.....	25
8.1.3	Digital user interface on EVSEs) .....	25
8.1.4	Language and clarity .....	25
8.1.5	Mobile applications and online platforms.....	26
8.1.6	Charging session feedback.....	26
8.1.7	User support and emergency communication .....	26
8.1.8	Interoperability and open access .....	26
8.1.9	Network connectivity.....	26
8.1.10	Payment accessibility.....	26
8.1.11	Data privacy and security.....	26
8.1.12	User feedback and reporting.....	26
8.1.13	Consistency across platforms.....	26
8.2	Physical information and communications .....	27
8.2.1	General .....	27
8.2.2	Directional and wayfinding signage .....	27
8.2.3	On-site identification and operational information .....	27
8.2.4	Signage design and accessibility .....	27
8.2.5	Parking spot signs and restrictions .....	27
8.2.6	Ground markings.....	27
8.2.7	Lighting and visibility .....	28
8.2.8	Physical wayfinding cues and hazard marking .....	28
8.2.9	Supplementary signage and consistency .....	28
8.2.10	Physical payment information.....	28
8.2.11	Environmental and contextual information .....	28
8.2.12	Temporary conditions and maintenance .....	28
	Bibliography .....	30

**prEN 18324:2026 (E)**

## **European foreword**

This document (prEN 18324:2026) has been prepared by Joint Technical Committee CEN/CLC/JTC 11 “Accessibility in the built environment”, the secretariat of which is held by UNE.

This document is currently submitted to the CEN Enquiry.

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

## Introduction

The transition to electric mobility is reshaping transport systems. Ensuring that EVSEs are accessible is essential to enabling independent mobility, social inclusion and equal participation in daily life for all drivers, including persons with disabilities, older persons, and individuals with temporary or situational impairments.

This document provides requirements and recommendations for the accessible design, installation and operation of charging infrastructure for M1 and N1 electric vehicles. Building on the principles of Universal Design, it supports designers, manufacturers, operators, procurers and regulators in creating environments, products and services that can be used equitably, safely and independently.

The provisions given in this document recognize that charging infrastructure is a composite system in which physical, digital and environmental components interact. Accessibility considerations are integrated from the physical design of electric vehicle supply equipment (EVSE) to the layout of the charging space, and from digital user interfaces to wayfinding, information provision and payment systems.

This document complements existing European and international standards on accessibility, the built environment, electric vehicle charging systems and digital accessibility. It is intended to support harmonization across Europe and contribute to a charging network that is inclusive, user-centred and aligned with the principles of Universal Design.

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

**prEN 18324:2026 (E)****1 Scope**

This document specifies accessibility requirements and recommendations for accessible charging stations for electric road vehicles, following a “Design for All”/“Universal Design” approach.

This document applies to the charging infrastructure for M1 electric vehicles, which are used for the carriage of passengers and are equipped with at least four wheels and comprising not more than eight seats in addition to the driver's seat, and for N1 electric vehicles, which are used for the carriage of goods and having a maximum mass not exceeding 3,5 tonnes.

This document sets out requirements and recommendations designed to ensure that the charging infrastructure is accessible and usable for all drivers, including those with specific mobility needs. Autonomous driving vehicles are excluded from the scope of this document.

This document is applicable to charging infrastructures, whether public or private, intended for electric vehicle charging. While it primarily addresses requirements and recommendations for conductive charging, wireless/inductive charging is also considered where relevant.

This document covers:

- the built environment surrounding electric vehicle charging stations, including its location, identification, signage and information;
- the built environment close to the electric vehicle to enable the charging process;
- factors to be taken into account in the design and specification of electric vehicle supply equipment;
- the platform and applications to enable the type of charging and payment, when relevant;
- other possible basic services associated with the charging process: pedestrian connection, associated toilets, etc.

This document does not cover:

- electric vehicles categories other than M1 and N1, although its users could also benefit from the requirements given in this document;
- specific materials used within an electric vehicle supply equipment;
- definition of charging rates or charging prices;
- user personal safety and protection;
- grid connections for electric vehicle charging stations;
- parking policy and planning policy related to designated accessible parking spaces or electric vehicle charging.

NOTE Some of the requirements given in this document might not be applicable to private infrastructures (e.g. the ones related to the payment system).

**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 17210, *Accessibility and usability of the built environment - Functional requirements*

EN 301549, *Accessibility requirements for ICT products and services*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

ISO 7001:2003, *Graphical symbols — Registered public information symbols*

ISO 21542, *Building construction — Accessibility and usability of the built environment*

EN IEC 62196-1:2022, *Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

#### 3.1 Terms and definitions

##### 3.1.1 General terms

###### 3.1.1.1

###### **accessibility**

extent to which products, systems, services, environments and facilities can be used by people from a population with the widest range of user needs, characteristics and capabilities to achieve identified goals in identified contexts of use

Note 1 to entry: Context of use includes direct use or use supported by assistive technologies.

Note 2 to entry: The identified goals of an accessible built environment are for people to independently and safely gain access to, enter, use and exit this environment.

[SOURCE: EN ISO 9241-112:2025, 3.11, modified — Note 2 to entry added]

###### 3.1.1.2

###### **built environment**

external and internal environments and any element, component or fitting that is commissioned, designed, constructed and managed for use by people

Note 1 to entry: Loose items are excluded because decisions with respect to their location within the built environment are more likely to be under the day-to-day control of facilities managers and not of those who commission, design or construct the built environment.

[SOURCE: ISO 21542:2021, 3.4]

###### 3.1.1.3

###### **Universal Design**

###### **UD**

design of products, environments, programmes and services to be usable by all people, to the greatest extent possible, without the need for adaptation or specialised design