
Podporna oprema na tleh za letalski promet - Posebne zahteve - 20. del: Oskrba z električno energijo

Aircraft ground support equipment - Specific requirements - Part 20: Electrical ground power units

Luftfahrt-Bodengeräte - Besondere Anforderungen - Teil 20: Ausrüstung zur Bodenstromversorgung

Matériel au sol pour aéronefs - Exigences particulières - Partie 20: Matériel d'alimentation électrique au sol

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ICS:

49.100

Oprema za servis in
vzdrževanje na tlehGround service and
maintenance equipment**SIST EN 12312-20:2026****en,fr,de**

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EUROPEAN STANDARD
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EN 12312-20

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ICS 49.100

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English Version

**Aircraft ground support equipment - Specific
requirements - Part 20: Electrical ground power units**

Matériel au sol pour aéronefs - Exigences particulières
- Partie 20 : Matériel d'alimentation électrique au sol

Luftfahrt-Bodengeräte - Besondere Anforderungen -
Teil 20: Ausrüstung zur Bodenstromversorgung

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European foreword

This document (EN 12312-20:2026) has been prepared by Technical Committee CEN/TC 274 “Aircraft ground support equipment”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2027, and conflicting national standards shall be withdrawn at the latest by March 2027.

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

This document supersedes EN 12312-20:2005+A1:2009.

This document includes the following significant technical changes with respect to EN 12312-20:2005+A1:2009:

- the Introduction was updated;
- the Scope was updated;
- Clause 2, *Normative references*, was updated;
- Clause 4, *List of hazards*, was updated;
- 5.1.9 was updated;
- 5.3.7 was updated
- 5.3.8 and 5.3.9 were added;
- 5.4 was updated;
- The order of Clause 6, *Information for use*, and Clause 7, *Verification of requirements*, was swapped;
- Annex A, *List of significant hazards*, was updated;
- Annex ZA was updated;
- the Bibliography was updated.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

EN 12312, *Aircraft ground support equipment — Specific requirements*, consists of the following parts:

- *Part 1: Passenger stairs*;
- *Part 2: Catering vehicles*;
- *Part 3: Conveyor belt vehicles*;

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- *Part 4: Passenger boarding bridges;*
- *Part 5: Aircraft fuelling equipment;*
- *Part 6: Deicers and deicing/antiicing equipment;*
- *Part 7: Aircraft movement equipment;*
- *Part 8: Maintenance or service stairs and platforms;*
- *Part 9: Container/Pallet loaders;*
- *Part 10: Container/Pallet transfer transporters;*
- *Part 11: Container/Pallet dollies and loose load trailers;*
- *Part 12: Potable water service equipment;*
- *Part 13: Lavatory service equipment;*
- *Part 14: Disabled/incapacitated passenger boarding vehicles;*
- *Part 15: Baggage and equipment tractors;*
- *Part 16: Air start equipment;*
- *Part 17: Air conditioning equipment;*
- *Part 18: Nitrogen or Oxygen units;*
- *Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions;*
- *Part 20: Electrical ground power units.*

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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 the United Kingdom.

Introduction

This document specifies health and safety requirements, as well as some functional and performance requirements for ground power equipment intended for the electrical supply for aircraft to be used on all aircraft types commonly in service in civil air transport.

The minimum essential criteria are considered to be of primary importance in providing safe, serviceable, economical, and practical ground power equipment. Deviations from the recommended criteria should occur only after careful consideration, extensive testing, risk assessment and thorough service evaluation have shown alternative methods or conditions to be satisfactory. Such deviations are outside the scope of this document and a manufacturer should be able to demonstrate an equivalent level of protection.

This document is a Type C standard as stated in EN ISO 12100:2010.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

When provisions requirements of this type C standard are different from those which are stated in type A or B standards, the requirements of this type C standard take precedence over the requirements of the other standards, for machines that have been designed and built according to the requirements of this type C standard.

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