
Dvosmerni omrežni elektroenergetski pretvorniki - 1. del: Splošne in varnostne zahteve (IEC 62909-1:2025)

Bi-directional grid-connected power converters - Part 1: General and safety requirements (IEC 62909-1:2025)

Bidirektionale netzgekoppelte Leistungsumrichter – Teil 1: Allgemeine- und Sicherheitsanforderungen (IEC 62909-1:2025)

Convertisseurs de puissance connectés aux réseaux bidirectionnels - Partie 1: Exigences générales et de sécurité (IEC 62909-1:2025)

Ta slovenski standard je istoveten z: EN IEC 62909-1:2025

[SIST EN IEC 62909-1:2025](https://standards.slo.si/catalog/standards/sist/33c326b8-d063-4a75-a12a-d1c300924ccc/sist-en-iec-62909-1-2025)

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ICS:

29.200

Usmerniki. Pretvorniki.
Stabilizirano električno
napajanje

Rectifiers. Convertors.
Stabilized power supply

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 62909-1

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Supersedes EN IEC 62909-1:2018

English Version

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and safety requirements
(IEC 62909-1:2025)**

Convertisseurs de puissance connectés aux réseaux
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sécurité
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Bidirektionale netzgekoppelte Leistungsumrichter - Teil 1:
Allgemeine- und Sicherheitsanforderungen
(IEC 62909-1:2025)

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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 CENELEC member.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62909-1:2025 (E)**European foreword**

The text of document 22E/288/FDIS, future edition 2 of IEC 62909-1, prepared by SC 22E "Stabilized power supplies" of IEC/TC 22 "Power electronic systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62909-1:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-09-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-09-30 document have to be withdrawn

This document supersedes EN IEC 62909-1:2018 and all of its amendments and corrigenda (if any).

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

Endorsement notice

The text of the International Standard IEC 62909-1:2025 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 standard indicated:

IEC 61851 series	NOTE	Approved as EN IEC 61851 series
IEC 61851-23:2023	NOTE	Approved as EN IEC 61851-23:— (not modified) ¹
IEC 62040 series	NOTE	Approved as EN 62040 series
IEC 62040-1:2017	NOTE	Approved as EN IEC 62040-1:2019 (not modified) +A11:2021
IEC 62109 series	NOTE	Approved as EN IEC 62109 series
IEC 62109-2:2011	NOTE	Approved as EN 62109-2:2011 (not modified)

¹ Under preparation. Stage at the time of publication: FprEN IEC 61851-23:2025.