
Terminologija za visokonapetostni enosmerni prenos (HVDC) - Dopolnilo A2

Terminology for high-voltage direct current (HVDC) transmission

Terminologie für Hochspannungsgleichstromübertragung (HGÜ)

Terminologie pour le transport d'énergie en courant continu à haute tension (CCHT)

Ta slovenski standard je istoveten z: EN 60633:1999/A2:2015

[SIST EN 60633:2001/A2:2015](https://standards.iteh.ai/catalog/standards/sist/2c72b5ce-ef0b-414d-9371-c25a506ee38e/sist-en-60633-2001-a2-2015)

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ICS:

01.040.29	Elektrotehnika (Slovarji)	Electrical engineering (Vocabularies)
29.200	Usmerniki. Pretvorniki. Stabilizirano električno napajanje	Rectifiers. Convertors. Stabilized power supply

SIST EN 60633:2001/A2:2015

en

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EUROPEAN STANDARD

EN 60633:1999/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 29.200

English Version

**Terminology for high-voltage direct current (HVDC) transmission
(IEC 60633:1998/A2:2015)**

Terminologie pour le transport d'énergie en courant continu
à haute tension (CCHT)
(IEC 60633:1998/A2:2015)

Terminologie für Hochspannungsgleichstrom-Übertragung
(HGÜ)
(IEC 60633:1998/A2:2015)

This amendment A2 modifies the European Standard EN 60633:1999; it was approved by CENELEC on 2015-09-02. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60633:1999/A2:2015**European foreword**

The text of document 22F/340/CDV, future IEC 60633:1998/A2, prepared by SC 22F “Power electronics for electrical transmission and distribution systems” of IEC/TC 22 “Power electronic systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60633:1999/A2:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-06-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-09-02

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

Endorsement notice

The text of the International Standard IEC 60633:1998/A2:2015 was approved by CENELEC as a European Standard without any modification.

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Replace Annex ZA of EN 60633:1999 as follows:

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60050-551	-	International Electrotechnical Vocabulary (IEV) - Part 551: Power electronics	-	-
IEC 60146-1-1	-	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements	EN 60146-1-1	-
IEC 60617-5	-	Graphical symbols for diagrams - Part 5: Semiconductors and electron tubes	EN 60617-5	-
IEC 60617-6	-	Graphical symbols for diagrams - Part 6: Production and conversion of electrical energy	EN 60617-6	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
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FOREWORD

This amendment has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

The text of this amendment is based on the following documents:

CDV	Report on voting
22F/340/CDV	22F/350A/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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CONTENTS

Add the following new terms:

- 5.13 commutating voltage
- 5.14 controlled capacitor commutated converter
- 5.15 series capacitor converter

Replace the existing terms 6.12 and 6.18 as follows:

- 6.12 valve base electronics (VBE)
- 6.18 valve reactor

Add the following new terms:

- 6.21 valve module
- 6.22 redundant levels
- 6.23 valve anode terminal
- 6.24 valve cathode terminal
- 7.35 operating state
- 7.36 blocked state
- 7.37 valve voltage

Replace the existing terms 8.4 and 8.8 as follows:

- 8.4 bi-directional HVDC system
- 8.8 (asymmetric) monopolar (HVDC) system

Add the following new terms:

- 8.16 symmetrical monopole
- 8.17 rigid DC current bipolar system
- 8.18 symmetrical monopolar (HVDC) system
- 8.19 earth return
- 8.20 metallic return
- 8.21 series converter configuration
- 8.22 unitary connection
- 8.23 isolated generating system
- 8.24 point of common coupling (PCC)
- 8.25 point of common coupling – DC side (PCC-DC)

Replace the existing terms 9.1, 9.2 and 9.4 as follows:

- 9.1 AC (harmonic) filter
- 9.2 (DC) smoothing reactor
- 9.4 DC harmonic filter

Add the following new terms:

- 9.14 AC high frequency (HF) filter
- 9.15 DC high frequency (HF) filter
- 9.16 neutral bus switch (NBS)
- 9.17 neutral bus grounding switch (NBGS)