



BSI Standards Publication

Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission — Electrical testing

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National foreword

This British Standard is the UK implementation of EN IEC 62501:2024. It is identical to IEC 62501:2024. It supersedes BS EN 62501:2009+A2:2017, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/22, Power electronics.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Published by BSI Standards Limited 2024

ISBN 978 0 539 20258 8

ICS 29.200; 29.240.01; 29.240.99

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2024.

Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

May 2024

ICS 29.200; 29.240.99

Supersedes EN 62501:2009;
EN 62501:2009/A1:2014;
EN 62501:2009/A2:2017

English Version

Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission - Electrical testing (IEC 62501:2024)

Valves à convertisseur de source de tension (VSC) pour le transport d'énergie en courant continu à haute tension (CCHT) - Essais électriques (IEC 62501:2024)

Ventile von Spannungszwischenkreis-Stromrichtern (VSC) für die Hochspannungsgleichstromübertragung (HGÜ) - Elektrische Prüfung (IEC 62501:2024)

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

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European foreword

The text of document 22F/731/CDV, future edition 2 of IEC 62501, 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 IEC 62501:2024.

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) 2025-02-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-05-15

This document supersedes EN 62501:2009 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 62501:2024 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 60146-2 NOTE Approved as EN 60146-2

IEC 62751-1 NOTE Approved as EN 62751-1

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(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060	series	High-voltage test techniques	EN 60060	series
IEC 60071	series	Insulation co-ordination	EN IEC 60071	series
IEC 60270	-	High-voltage test techniques - Partial discharge measurements	EN 60270	-
IEC 60700-1	2015	Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing	EN 60700-1	2015
+ AMD1	2021		+ A1	2021
IEC 62747	-	Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems	EN 62747	-
ISO/IEC 17025	-	General requirements for the competence of testing and calibration laboratories	EN ISO/IEC 17025 -	

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CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
3.1 Insulation coordination terms	8
3.2 Power semiconductor terms	8
3.3 Operating states of converter.....	8
3.4 VSC construction terms	9
3.5 Valve structure terms.....	10
4 General requirements	11
4.1 Guidelines for the performance of type tests	11
4.1.1 Evidence in lieu	11
4.1.2 Selection of test object	12
4.1.3 Test procedure	12
4.1.4 Ambient temperature for testing.....	12
4.1.5 Frequency for testing.....	12
4.1.6 Test reports.....	12
4.1.7 Conditions to be considered in determination of type test parameters.....	12
4.2 Atmospheric correction factor	13
4.3 Treatment of redundancy	13
4.3.1 Operational tests	13
4.3.2 Dielectric tests.....	13
4.4 Criteria for successful type testing	14
4.4.1 General	14
4.4.2 Criteria applicable to valve levels	14
4.4.3 Criteria applicable to the valve as a whole.....	15
5 List of type tests	15
6 Operational tests	16
6.1 Purpose of tests.....	16
6.2 Test object.....	16
6.3 Test circuit.....	17
6.4 Maximum continuous operating duty test	17
6.5 Maximum temporary over-load operating duty test	18
6.6 Minimum DC voltage test	18
7 Dielectric tests on valve support structure	19
7.1 Purpose of tests.....	19
7.2 Test object.....	19
7.3 Test requirements.....	19
7.3.1 General	19
7.3.2 Valve support DC voltage test.....	19
7.3.3 Valve support AC voltage test.....	20
7.3.4 Valve support switching impulse test	21
7.3.5 Valve support lightning impulse test.....	21
8 Dielectric tests on multiple valve unit.....	22
8.1 General.....	22
8.2 Purpose of tests.....	22