



BSI Standards Publication

## **Voltage characteristics of electricity supplied by public electricity networks**

---

## National foreword

This British Standard is the UK implementation of EN 50160:2010+A3:2019, incorporating corrigendum December 2010. It supersedes BS EN 50160:2010+A1:2015, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CENELEC text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee GEL/8, Systems Aspects for Electrical Energy Supply.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019  
Published by BSI Standards Limited 2019

ISBN 978 0 580 51254 4

ICS 29.020; 29.240.01

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2010.

### Amendments/corrigenda issued since publication

Date	Text affected
31 March 2011	Modification of CENELEC foreword
31 July 2015	Implementation of CENELEC amendment A1:2015
31 October 2019	Implementation of CENELEC amendment A2:2019
31 October 2019	Implementation of CENELEC amendment A3:2019

English version

**Voltage characteristics of electricity supplied by public electricity networks**Caractéristiques de la tension fournie  
par les réseaux publics de distributionMerkmale der Spannung in öffentlichen  
Elektrizitätsversorgungsnetzen

This European Standard was approved by CENELEC on 2010-03-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard 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 Central Secretariat 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung**Management Centre: Avenue Marnix 17, B - 1000 Brussels**