

INTERNATIONAL STANDARD

IEC 60038

Edition 6.2
2002-07

Edition 6:1983 consolidated with amendments 1:1994 and 2:1997

IEC standard voltages

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



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CONTENTS

FOREWORD	5
Scope	7

SECTION ONE – DEFINITIONS

1 Nominal system voltage	7
2 Highest and lowest voltages of a system (excluding transient or abnormal conditions)	7
3 Supply terminals	9
4 Supply voltage	9
5 Supply voltage range	9
6 Utilization voltage	9
7 Utilization voltage range	9
8 Rated voltage (of equipment)	9
9 Highest voltage for equipment	9

SECTION TWO – TABLES OF STANDARD VOLTAGES

Table 1 – A.C. systems having a nominal voltage between 100 V and 1 000 V inclusive and related equipment	11
Table 2 – D.C. and a.c. traction systems	13
Table 3 – A.C. three-phase systems having a nominal voltage above 1 kV and not exceeding 35 kV and related equipment	15
Table 4 – A.C. three-phase systems having a nominal voltage above 35 kV and not exceeding 230 kV and related equipment	17
Table 5 – A.C. three-phase systems having a highest voltage for equipment exceeding 245 kV	19
Table 6 – Equipment having a nominal voltage below 120 V a.c. or below 750 V d.c.	21

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC STANDARD VOLTAGES

FOREWORD

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International Standard IEC 60038 has been prepared by IEC technical committee 8: Standard Voltages, Current Ratings and Frequencies.

This sixth edition supersedes the fifth edition of IEC 60038 (1975), and now includes standard voltages below 120 V a.c. and 750 V d.c.

This consolidated version of IEC 60038 is based on the sixth edition (1983) [documents 8(CO)1132 and 8(CO)1133], its amendment 1 (1994) [documents 8(CO)1137+1137A and 8(CO)1138] and its amendment 2 (1997) [documents 8/1165/FDIS and 8/1166/RVD].

It bears the edition number 6.2.

A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

The committee has decided that the contents of the base publication and its amendments 1 and 2 will remain unchanged until 2003. At this date, the publication will be

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- withdrawn;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

IEC STANDARD VOLTAGES

Scope

This publication applies to:

- a.c. transmission, distribution and utilization systems and equipment for use in such systems with standard frequencies 50 Hz and 60 Hz having a nominal voltage above 100 V;
- a.c. and d.c. traction systems;
- a.c. and d.c. equipment having nominal voltages below 120 V a.c. or below 750 V d.c., the a.c. voltages being intended (but not exclusively) for 50 Hz and 60 Hz applications; such equipment covers batteries (from primary or secondary cells), other power supply devices (a.c. or d.c.), electrical equipment (including industrial and communication), and appliances.

This publication shall not apply to voltages representing or transmitting signals or measured values.

This publication shall not apply to standard voltages of components and parts used within electrical devices or items of equipment.