

ICS 19.040

CCS K04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14597-2010

Replacing GB/T 14597-1993

**Environmental climatic conditions appearing in different
altitudes for electrical products**

电工产品不同海拔的气候环境条件

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Foreword

This standard replaces GB/T 14597-1993 "electrical products at different altitudes climate conditions." This standard and GB/T 14597-1993 comparison, in technology without modification, no technical difference, only editorial changes were made, and by Added Appendix A. Appendix A of this standard is an informative annex. The standard proposed by China Electrical Equipment Industrial Association. This standard by the national electrical products plateau Environmental Technology Standardization Technical Committee (SAC/TC330) centralized. This standard is drafted by: Kunming Electrical Apparatus Research Institute. Participated in the drafting of this Standard. China Electric Apparatus Research Institute, Xiangtan Electric Co., Ltd., Xi'an High Voltage Apparatus Research Institute limited liability Any company, Chongqing University, Shanghai Chint Electric Co., Ltd., Siemens (China) Co., Ltd., China CNR Yongji Electric Factory, Kazakhstan Harbin Electric Machinery Co., Ltd., Kunming Electrical Machinery Co., Ltd., Fujian Nanping motor plant. The main drafters of this standard. Liao Li, Zhou Qiongfang, Huangkai Yun, Zhao Lei, Guo lighthouse, Tian Enwen PROCEEDINGS, Zhang Deqin, Xia Zhifeng, Qi Shifa, Xie Guozheng, Li clear water. This standard replaces the standards previously issued as follows:

--- GB/T 14597-1993. Climate conditions at different altitudes of electrical products

1 Scope

GB/T 14597-2010 is the Chinese national standard on environmental climatic conditions appearing in different altitudes for electrical products, in the field of testing. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 10 November 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2011. Classification: ICS 19.040, CCS K04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the

numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the electrical products in the design, manufacture and install different elevations nature encountered in the use of appropriate climate appears Condition value. This standard applies to an altitude of 5000m and below the design, manufacture and installation, use of electrical products. Transportation and storage of electrical products Referring also to use. This standard provides a reference for the development of product standards other climate conditions.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 11804 Terms of environmental conditions for electric and electronic products

3 Terms and Definitions

Terms and definitions GB/T 11804 in established apply to this standard.

4 different altitude climatic environmental conditions parameters

4.1 Electrical product of environmental conditions altitude graded from 0 ~ 5000m, 1000m of each level is divided into five.

4.2 electrical products in different climatic and environmental conditions altitude parameters in Table 1. Table 1 electrical products at different altitudes climate conditions parameters
Number of environmental parameters Altitude/m 0100020003000 4000 5000 Pressure / kPa The annual average 101.3 90.0 79.5 70.1 61.7

54.0 Minimum 97.0 87.2 77.5 68.0 60.0

52.5 Air temperature / Up 45,40 45,40 35302520 Maximum daily average 35,30 35,30 25201510 The annual average 2,020,151,050 Minimum 5, -5, -15, -25, -40, -

45 The maximum daily temperature/K 15,25,

30 Relative humidity/ The wettest month average maximum (Average minimum temperature) / 95,90 (25) 95,90 (25) (20) (15) (10) (5) Driest month average minimum (The average maximum temperature) / (15) (15) (15) (10) (5) (0)