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

**GB/T 10760.1-2017**

Replacing GB/T 10760.1-2003

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**Generator of small wind turbines - Part 1: Technical condition**

小型风力发电机组用发电机 第1部分：技术条件

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Standardization Administration of China**

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### Foreword

GB/T 10760 "small wind turbine generator" is divided into the following two parts.

--- Part 1. Technical conditions;

--- Part 2. Test methods. This section GB/T 10760 Part 1. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 10760.1-2003 "Off-grid wind turbine generator Part

1 Technical conditions." versus GB/T 10760.1-2003 compared to editorial changes in addition to the main technical changes are as follows:

- Expand the scope of this section;
- Standardized reference documents and made a readjustment;
- Expanded generator rated power level;
- Remove the generator rated power and rated speed, rated voltage table, increase the rated voltage level;
- Increased direct drive generator rated power, rated speed corresponding to the recommended table;
- Modify the generator working speed range and requirements;
- Modify the generator overload requirements;
- Modify the generator efficiency table;
- Modify the ability of the generator to withstand speeding under no load;
- Modify the generator insulation level requirements;

### 1 Scope

GB/T 10760.1-2017 is the Chinese national standard on generator of small wind turbines - part 1:technical condition, in the field of energy and heat transfer engineering. 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 14 October 2017 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 2018. Classification: ICS 27.180, CCS F11. 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.

GB/T 10760 provisions of this part of a small wind turbine generator (hereinafter referred to as "generator") General technical conditions. This section applies to 0.1kW ~ 100kW wind turbine generator.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all revisions) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 755 Rotating motor quotas and performance

GB/T 997 rotary motor structure type, installation type and junction box location classification (IM code)

GB/T 1993 rotary motor cooling method

GB/T 4942.1 rotary motor overall structure of the protection level (IP code) classification

GB 5226.1 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General specifications

GB/T 9969 Industrial Products Manual General

GB/T 10068 Shaft center height of 56mm and above the motor vibration and vibration measurement, assessment and limits

GB/T 10069.3 rotary motor noise measurement methods and limits - Part 3 noise limits

GB/T 10760.2 Small generators for wind turbines - Part 2. Test methods

GB/T 12665 motor under normal conditions of use damp heat test requirements

GB/T 17646 small wind turbine

GB/T 19068.2 small wind turbine generator - Part 2. Test methods

### 3 Terms and definitions

GB/T 755, GB/T 17646 defined terms and definitions apply to this document. 4 type, the basic parameters

4.1 type The type of generator is a three-phase AC synchronous generator.

4.2 Rated power The generator shall be manufactured (kW) at the following rated power.