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

GB/T 2296-2025

Replacing GB/T 2296-2001

Designation for photovoltaic cells and modules

光伏电池和组件型号命名方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 2296-2001 "Naming Method for Solar Cell Models". Compared with GB/T 2296-2001, the only changes are structural adjustments. Aside from editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2001 edition);
- b) Added terms and definitions (see Chapter 3);
- c) The naming method for photovoltaic cells has been changed (see Chapter 3, Chapter 4 of the.2001 edition);
- d) The naming of sub-matrixes and matrix types has been removed (see Chapter 4 of the.2001 edition);
- e) The naming method for photovoltaic module models has been changed (see Chapter 5, Chapter 4 of the.2001 edition). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Solar Photovoltaic Energy Systems (SAC/TC90). This document was drafted by: China Electronics Technology Standardization

Institute, Zhejiang Jinko Solar Co., Ltd., and LONGi Green Energy Technology Co., Ltd. Trina Solar Co., Ltd., Changzhou Yijing Optoelectronic Technology Co., Ltd., Risen Energy Co., Ltd., Chint New Energy Technology Co., Ltd. Joint-Stock Company, Canadian Solar Inc., Tongwei Solar (Chengdu) Co., Ltd., JA Solar Technology Co., Ltd. Limited Liability Company, Shanghai Electric Group Co., Ltd., Tianjin Lantian Special Power Technology Co., Ltd., Zhejiang Aiko Solar Energy Technology Co., Ltd. Company, Changzhou University. The main drafters of this document are. Pei Huichuan, Liu Yu, Guo Zhiqiang, Chen Xiaoda, Li Zhenguo, Yun Weijuan, Zhou Yihua, Liu Yafeng, and Yang Tianfeng. Tang Yingtang, Wu Jiantao, Zhang Jun, Xu Minwei, Zhai Zuoxu, Wang Yongqian, Liu Ya. The release history of this document and the document it replaces is as follows:

---First published in 1980 as GB/T 2296-1980, and revised for the first time in 2001;

---This is the second revision. Naming method for photovoltaic cells and modules

1 Scope

GB/T 2296-2025 is the Chinese national standard covering how a solar cell or module is named - the code that carries the technology, the cell size and count, the power class and the variant, which is what appears on a datasheet and a purchase order. It replaces GB/T 2296-2001, a standard twenty-four years old from before the industry China now dominates existed at scale. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 2296-2001. The document is under the responsibility of the Ministry of Industry and Information Technology. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document describes the naming method for photovoltaic cells and photovoltaic modules, and provides the corresponding codes and meanings. This document applies to photovoltaic cells and photovoltaic modules.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 2297 Terminology for Solar Photovoltaic Energy Systems

3 Terms and Definitions

The terms and definitions defined in GB/T 2297 apply to this document.

4 Naming Method for Photovoltaic Cell Models

4.1 Model Composition The naming of photovoltaic cell models consists of four parts. See Appendix A, A.1 for an example of model naming. Photovoltaic cell model numbers generally consist of three parts, from the first to the third, connected by horizontal bars. The fourth part is an optional supplementary section. Points are indicated by parentheses.

4.2 Naming Method The naming method for photovoltaic cell models should comply with the requirements in Table 1.