

ICS 49.020
CCS V 04



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

GB/T 44821.3-2026

**General technical requirements for stratospheric airships - Part
3: Energy system**

平流层飞艇通用技术要求 第3部分：能源系统

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6 Inspection Rules

6.1 Inspection Classification The inspection categories specified in this document are as follows:

- a) Identification and testing;
- b) Quality consistency inspection.

6.2.1 Inspection Items

6.2.2 Acceptance Criteria If all test items meet the requirements, the test is deemed qualified.

6.3 Quality Consistency Inspection

6.3.1 Inspection Items The testing items shall be carried out in accordance with the provisions of Table 1.

6.3.2 Inspection Quantity All were checked.

Note. Considering the small number of actual samples in the production of stratospheric airship energy systems, the quality consistency inspection will not be conducted by sampling inspection, but by full inspection.

6.3.3 Acceptance Criteria If all inspection items meet the requirements, the inspection is deemed qualified.

7 Labeling, Packaging, Transport and Storage

7.1 Marking The delivered energy system products should have nameplates, labels, or other markings. Products such as solar cell modules, which are difficult to label, should have labels on the packaging box. Mark it.

7.2 Packaging After cleaning and drying, energy system products should be neatly packed into dedicated packaging boxes according to the packing procedures and operating precautions. Take good support, fixation, vibration damping, and moisture protection measures to prevent product damage during packing. In addition to the product itself, the packaging box should contain other items. Technical documents such as certificates of conformity, instruction manuals, and packing lists.

7.3 Transportation and Storage The energy system should meet the overall transportation requirements of the airship and be adaptable to road, rail, and air transport without being directly affected by extreme weather conditions. Waterway and other transportation. Energy system products should meet the overall storage requirements of the airship, and the performance of the energy system should meet the specified requirements within the specified storage period.

About this edition

GB/T 44821.3-2026 is the current edition. It was issued on 25 May 2026 and has been in force since 1 September 2026.

The interval between issue and effect is the transition period. It exists so that producers, laboratories and buyers can requalify products, revise procedures and use up documentation before the new text becomes the one that applies. The date on this page is the official one from the record of the Standardization Administration.

Classification and status

GB/T 44821.3-2026 is classified under ICS 49.020. ICS is the International Classification for Standards, the same scheme used by ISO and by the national bodies of most countries, which is what allows a Chinese standard to be placed beside its foreign counterparts on subject rather than on number.

Its Chinese Standard Classification code is CCS V 04. CCS is the domestic scheme, a letter for the sector and two digits for the subject within it, and it is the code by which the standard is filed and searched in China.

The GB/T prefix marks a recommended national standard. It is not, in itself, law: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it. In practice that covers most of the cases in which it will be read - a purchase specification, an inspection agreement or a certification scheme.

How a Chinese national standard is set out

Chinese national standards are drafted to the rules of GB/T 1.1, which fixes the order in which a standard is set out. The document opens with a foreword recording the issuing bodies, the relationship to any previous edition and the technical committee responsible for it. Clause 1 is the scope. Clause 2 lists the normative references - the other standards that have to be applied together with this one, and without which its requirements cannot be met. Clause 3 gives the terms and definitions. The technical clauses follow: the requirements themselves, the test or measurement methods by which conformity is established, the inspection rules that say how a lot is sampled and judged, and, for a product standard, the provisions on marking, packaging, transport and storage. Annexes, normative or informative, come last.

GB/T 44821.3-2026 runs to 30 pages in the English translation. What is delivered is the complete document in that order: every clause, every table, every figure and every annex of the Chinese original, with the same numbering, so that a reference to a clause number in a contract or a test report points to the same place in both languages.

About this English translation

The English edition of GB/T 44821.3-2026 is a full translation of the official Chinese text, not a summary, an abstract or a machine rendering left unchecked. Clause and subclause numbers, table and figure numbers and annex letters are those of the original, because they are what a specification, a purchase order or a test report cites.

Technical terms are translated against the vocabulary standards of the same field, so that a term used in GB/T 44821.3-2026 reads the same way as in the other Chinese standards it is used beside. Where a term has an established English form in an ISO or IEC document on the same subject, that form is used; where China's term has no foreign counterpart, it is translated literally and the Chinese is kept alongside it rather than replaced by an approximation.

Quantities, units and symbols are carried over unchanged. Chinese standards use SI, so a value in the translation is the value in the original document, not a conversion, and a limit read from the English text is the limit that will be applied by a Chinese inspection body reading the Chinese one.

This page is compiled from the official publication record: the standard number and both titles, the issuing bodies, the dates of issue and effect, the ICS and CCS classification. The requirements, limits, tables and test conditions are in the document itself.