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

**GB/T 47580-2026**

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**Aerospace - High power solid state power controller - General  
performance requirements**

航空航天 高功率固态功率控制器 通用要求

**(English Translation)**

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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".

This document adopts ISO 24065:2023 "General requirements for high-power solid-state power controllers for aerospace".

## 1 Scope

This document specifies the general performance requirements for high-power solid-state power controllers (HPSSPCs) used in aerospace main power distribution systems, describing... The experimental method is described.

## 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 to this document.

**Note:** GB/T 30203-2013 Characteristics of Aircraft Electrical Systems (ISO 1540:2006, MOD)

## 3 Terms and Definitions

The following terms and definitions apply to this document.

### 3.1 Turn-ontime

Starts from receiving the turn-on signal (3.5) level or receiving the bus turn-on command.

Let the last frame be the time interval until the output reaches 90% of its steady-state value.

**Note:** See Figure 1a).