

ICS 29.240.99
CCS K46



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

GB/T 48351-2026

**Technical specification for variable-frequency drive in
petrochemical and chemical industries**

石化化工用变频调速设备技术条件
(English Translation)

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Foreword

GB/T 48351-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

It is under the responsibility of the China Electrical Equipment Industry Association.

Classification: ICS 29.240.99; CCS K46.

1 Scope

This standard provides technical conditions for variable-frequency drive equipment used in the petrochemical and chemical industries. Such drives control motor speed in pumps, compressors, fans and other process machinery, and the sector has its own demands on reliability, environment and integration with plant systems.

The document is relevant to drive manufacturers, engineering and procurement contractors, plant owners, electrical designers and inspection bodies that need a common technical basis when specifying or accepting drives for process plants. It was prepared under the China Electrical Equipment Industry Association and is a recommended national standard, so compliance is voluntary unless a purchase specification invokes it. Suppliers exporting drives to Chinese refineries and chemical works, and foreign engineering firms working on projects there, will find it useful for aligning equipment data sheets with domestic expectations. It takes effect on 1 April 2027.