

ICS 77-010
CCS H04



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

GB/T 48186-2026

**Intelligent factory in the iron and steel industry - Technical
requirements of the energy management and control system**

钢铁行业智能工厂 能源管控系统技术要求

(English Translation)

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Foreword

GB/T 48186-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Iron and Steel Association.

Classification: ICS 77-010; CCS H04.

1 Scope

This standard sets technical requirements for the energy management and control system of an intelligent factory in the iron and steel industry. Steel production is energy intensive, and an energy management and control system collects, monitors and helps coordinate energy use across a plant as part of its wider digital and intelligent operation.

The document is relevant to steel producers, energy management and control system suppliers, automation and software integrators, engineering design institutes, consultants, and evaluators of smart factory projects. Plant owners can use it to describe what they expect from such a system, and suppliers can use it to frame their offerings.

The standard was issued on 28 August 2026 and takes effect on 1 March 2027. It is a recommended national standard (GB/T), so it is voluntary unless cited in a contract, tender or project specification. It was prepared under the China Iron and Steel Association.