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CCS L67

SJ

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

SJ/T 12100-2026

**Technical specifications for industrial AI-based visual online
inspection systems for the electric power industry**

面向电力行业的工业AI视觉在线检测系统技术规范

(English Translation)

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Foreword

SJ/T 12100-2026 is a recommended industry standard of the People's Republic of China in the Electronics sector, approved and issued by the Ministry of Industry and Information Technology on 28 April 2026.

Classification: ICS 35.240.50; CCS L67.

1 Scope

This standard gives technical specifications for AI-based visual online inspection systems used in the electric power industry. Online inspection means that the equipment examines power facilities and equipment through images while they are in service, using artificial intelligence to recognise conditions that would otherwise need a person to look at the equipment. The document covers the technical specifications of such systems in the power sector.

It is useful for developers and suppliers of inspection systems, power utilities and grid operators that deploy them, system integrators and technical reviewers. The standard is voluntary (code with /T). The Ministry of Industry and Information Technology approved it; it was issued on 28 April 2026 and is effective from 28 April 2026. No earlier edition exists: it is a new standard.