

ICS 27.160
CCS F12



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

GB/T 48107-2026

**Requirements of information processing protection for PV
inverters**

光伏逆变器信息处理保护技术要求

(English Translation)

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Foreword

GB/T 48107-2026 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 December 2026.

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

Classification: ICS 27.160; CCS F12.

1 Scope

Photovoltaic inverters sit at the junction between solar generation and the grid, and they increasingly rely on firmware, communication links and data handling. This document sets out technical requirements for protecting the information that PV inverters process, treating cyber-related protection as part of safe and reliable operation.

Inverter manufacturers, firmware and control-software developers, test and certification laboratories, plant operators and system integrators are the intended users. Developers can use the requirements when designing device functions, and laboratories can use them to plan evaluations.

It is a recommended (GB/T) standard, so it is voluntary unless grid-connection arrangements, contracts or product specifications refer to it. Overseas inverter suppliers selling into China can read it to understand national expectations around information handling in these devices, which is useful when preparing product documentation and answering customer security questionnaires. It was issued on 28 August 2026 and takes effect on 1 December 2026.