

ICS 27.160
CCS F 12



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

GB/T 35694-2025

Replacing GB/T 35694-2017

Safety code for photovoltaic power stations

光伏电站安全规程

Issued on: December 31, 2025

Implemented on: April 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	2
4.General Requirements	2
5.Equipment and Facilities	2
6.Run	4
7.Inspection and maintenance 6. References	8

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". Drafting. This document replaces GB/T 35694-2017 "Safety Regulations for Photovoltaic Power Stations". Compared with GB/T 35694-2017, the main differences are in the structural adjustments. Aside from editorial changes, the main technical changes are as follows:

---The scope of application has been changed (see Chapter 1, Chapter 1 of the.2017 edition);

---Terminology and definitions have been changed (see Chapter 3, Chapter 3 of the.2017 edition);

---Added cybersecurity requirements for photovoltaic power plants (see 4.1, 4.4, 5.1.5, 6.6.5);

---Safety technical requirements for photovoltaic power station equipment and facilities have been added, including photovoltaic modules, photovoltaic brackets, combiner boxes, inverters, cables, Monitoring systems, fire protection systems, security facilities and other equipment and facilities (see Chapter 5);

---Added safety technical requirements for building-attached photovoltaic power stations (see 5.1.7, 5.8.2);

---Added technical requirements for the safe grid-connected operation of photovoltaic power plants (see 5.5.2, 6.1.3);

---Added safety technical requirements for the operation of surface and offshore photovoltaic power stations (see 6.1.8, 6.3.3, 6.3.4, 6.7.3, 7.1.8, 7.1.9). Please note that

some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the China Electricity Council. This document was drafted by: Datang Xinjiang Power Generation Co., Ltd., Datang Xinjiang Clean Energy Co., Ltd., and the Science and Technology Research Institute of China Datang Corporation. Northwest Electric Power Research Institute of China Electric Power Research Institute Co., Ltd., State Grid Xinjiang Electric Power Co., Ltd., China Energy Xinjiang Electric Power Design Institute Co., Ltd. of China Energy Engineering Group, Sungrow Power Supply Co., Ltd., Huawei Digital Power Technologies Co., Ltd., and State Grid Xinjiang Economic and Technological Research Institute of State Grid Gansu Electric Power Company, Electric Power Research Institute of State Grid Gansu Electric Power Company, Huaneng Lancang River Hydropower Co., Ltd. State Power Investment Corporation (Qingdao) Investment Development Co., Ltd., State Power Investment Corporation Qinghai Photovoltaic Industry Innovation Center Co., Ltd., China Water Resources and Hydropower No.

7 Engineering Co., Ltd. Bureau Limited, China Power Construction Group Guizhou Electric Power Design Institute Co., Ltd., and China Energy Engineering Group Tianjin Electric Power Construction Co., Ltd. The main drafters of this document are. Yang Haiyan, Qian Wei, Gao Xiang, Song Gang, Ding Tongguang, Lü Pingyang, Zhou Yuangui, Du Ronghua, Chen Zhilei, and Chen Xiaoxi. Wang Xiaobin, Shi Lei, Li Zhen, Gao Rui, Song Xinfu, Sun Kaining, Yu Zhongping, Zhang Jun, Guo Haoyu, Ma Xiping, Dong Xiaoyang, Cao Xueyuan, Pei Hongzhou, Zhang Zhe Wang Rui, Han Jijun, Zhang Chao, Li Quan, Tong Binpeng, Li Honghui, Wu Yanhong, Chen Linlin, Bai Xinlong. The release history of this document and the document it replaces is as follows:

---First published in.2017 as GB/T 35694-2017;

---This is the first revision. Safety regulations for photovoltaic power stations

1 Scope

GB/T 35694-2025 is the Chinese national standard covering working safely on a solar plant - the DC side that cannot be switched off while the sun is up, the arc and shock hazards peculiar to it, the work at height on trackers and roofs, the fire response and the isolation before maintenance. It replaces GB/T 35694-2017, and it belongs with the PV operation standard GB/T 33599-2026. It was issued on 31 December 2025 and has been in force since 1 April 2026, replacing GB/T 35694-2017. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the safety requirements for the equipment, facilities, operation, inspection, and maintenance of photovoltaic power stations. This document applies to the safety management of the operation, inspection, and maintenance of ground-mounted,

building-attached, and floating photovoltaic power stations.

2 Normative references

The following documents contain essential clauses through normative references. Dated citations are listed below. 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. This document.

GB 2894 Safety Colors and Safety Signs

GB/T 14048.2 Low-voltage switchgear and controlgear - Part

3 Switches, isolators, disconnecting switches and fuse combinations

GB/T 14285 Technical Specification for Relay Protection and Safety Automatic Devices

GB/T 18912 Salt spray corrosion test for photovoltaic modules

GB/T 20047.1 Safety assessment of photovoltaic (PV) modules - Part