

ICS 27.160
CCS K 83



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

GB/T 20046-2006

**Photovoltaic (PV) systems -- Characteristics of the utility
interface**

光伏(PV)系统电网接口特性
(English Translation)

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Table of Contents

What this standard covers	1
Document data	2
Standards quoted by this document	3

What this standard covers

This standard applies to the interconnected grid photovoltaic (PV) power generation system, which runs parallel to the grid, and use the AC to DC conversion static (semiconductor) non- islanding inverter. This standard describes the rated power 10kVA or less system-related recommendations, such as independent housing for single-phase or three-phase system. This standard applies to low-voltage power distribution systems connected to each other. The purpose of this standard is to provide PV systems interconnected with the grid distribution system requirements. Note 1: The inverter type certified to comply with specific provisions of this standard shall be deemed to be installed, without any further tests. This standard does not solve for electromagnetic compatibility or islanding protection mechanisms aspects. Note 2: When the grid with energy storage system or a control signal supplied to the PV system, the interface requirements can change with it.

Document data

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Standards quoted by this document

GB/T 18479-2001; IEC 60364-7-712: 2002; IEC 61000-3-3: 1994; IEC 61000-3-5