



JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS C 8980 : 2020

**Power conditioner for small photovoltaic  
power generating system**

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ICS 27.160

Reference number : JIS C 8980 : 2020 (E)

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Date of Establishment: 1997-07-20

Date of Revision: 2020-03-23

Date of Public Notice in Official Gazette: 2020-03-23

Investigated by: Japanese Industrial Standards Committee  
Standards Board for IEC area  
Technical Committee on Electricity

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JIS C 8980 : 2020, First English edition published in 2022-05

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This edition replaces the previous edition (**JIS C 8980** : 2009), which has been technically revised, and **JIS C 8962** : 2008, which has been withdrawn.

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## Power conditioner for small photovoltaic power generating system

### 1 Scope

This Japanese Industrial Standard specifies the performance evaluation and test methods for stand-alone power conditioners of constant AC output voltage and constant output frequency, stand-alone power conditioners of constant DC output voltage, and the utility-connected power conditioners among the power conditioners for photovoltaic power generating system (hereafter referred to as PCS) complying with **a)** and **b)** below. However, AC module is excluded.

- a) Rated output :  $\geq 10$  W,  $< 100$  W
  - 1) DC input and output voltage :  $\geq 30$  V,  $\leq 750$  V
  - 2) AC output voltage :  $\geq 30$  V,  $\leq 600$  V
- b) Rated output :  $\geq 100$  W,  $< 50$  kW
  - 1) DC input and output voltage :  $\leq 750$  V
  - 2) AC output voltage :  $\leq 600$  V

In this Standard, a PCS to which an accumulator device is connected refers only to those which is connected to the accumulator device on the input side. Among the components of utility-connected PCS, the utility interaction protective function and utility interaction protective device such as an islanding operation detection device are excluded. A utility-connected PCS includes those having isolated operation function.

For the component equipment combined with PCSs such as an accumulator device and various interfaces, refer to the respective individual standards.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.

JIS C 1302 *Insulation resistance testers*

JIS C 6950-1 *Information technology equipment — Safety — Part 1 : General requirements*

JIS C 8303 *Plugs and receptacles for domestic and similar general use*

JIS C 8905 *General rules for stand-alone photovoltaic power generating system*

JIS C 8960 *Glossary of terms for photovoltaic power generation*