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power generating system**

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Contents

	Page
1	Scope 1
2	Normative references 1
3	Terms and definitions 2
4	Components 3
5	Service conditions 4
5.1	Standard service conditions 4
5.2	Special service conditions 4
6	Classification 4
7	Performance 5
7.1	Insulation resistance 5
7.2	Dielectric withstand voltage 5
7.3	Lightning impulse withstand voltage 5
7.4	Leakage current 6
7.5	Equipment capabilities 6
7.6	Operating range 6
7.7	Steady state characteristics 6
7.8	Transient operation 7
7.9	Noise 8
7.10	Temperature rise 9
7.11	Composite temperature/humidity cycle (when installed outdoor) 9
7.12	Protective functions 9
8	Construction 10
9	Conductor arrangement and colour indication 11
9.1	Conductor of main circuit 11
9.2	Board wiring 12
9.3	Grounded circuit 13
10	Test conditions 13
11	Test circuits 13
12	Test equipment 16
13	Test methods 17
13.1	General matters of test methods 17
13.2	Insulation resistance test 17
13.3	Dielectric withstand voltage test 18
13.4	Lightning impulse withstand voltage test 18

13.5	Leakage current test	18
13.6	Equipment capabilities test	26
13.7	Operating range test	27
13.8	Steady state characteristics test	27
13.9	Transient operation test	34
13.10	Noise measurement	40
13.11	Temperature rise test	40
13.12	Composite temperature/humidity cyclic test	40
13.13	Protective function test	41
14	Construction test	45
15	Inspection	45
15.1	Classification of inspection	45
15.2	Test item	45
16	Marking	46
16.1	Marking on specifications or catalogue	46
16.2	Marking items on nameplate	46
16.3	Precaution for handling	47
Annex A (informative)	Relation between rated power factor and rated output	60

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previous edition (**JIS C 8980** : 2009), which has been technically revised, and **JIS C 8962** : 2008, which has been withdrawn.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 : ≥ 10 W, < 100 W
 - 1) DC input and output voltage : ≥ 30 V, ≤ 750 V
 - 2) AC output voltage : ≥ 30 V, ≤ 600 V
- b) Rated output : ≥ 100 W, < 50 kW
 - 1) DC input and output voltage : ≤ 750 V
 - 2) AC output voltage : ≤ 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*