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JIS C 8916 : 2005

**Temperature coefficient measuring
methods of output voltage and
output current for crystalline solar
cells and modules
(Amendment 1)**

JIS C 8916:1998 has been revised under date of September 20, 2005. The revised items are included in this Amendment 1.

ICS 27.160

Reference number : JIS C 8916 : 2005 (E)

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Foreword

This translation has been made based on the Amendment to the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently clauses 1, 3, 4 and 5 of JIS C 8916:1998 are replaced with this Amendment.

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In the event of any doubts arising as to the contents,
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Temperature coefficient measuring methods of output voltage and output current for crystalline solar cells and modules

(Amendment 1)

Introduction This Amendment is to be used together with JIS C 8916:1998. Consequently, JIS C 8916:1998 is partially replaced with this Amendment.

JIS C 8916:1998 is revised as follows.

1 Scope

Insert the following before "JIS C 8911 *Secondary reference crystalline solar cells*".
"JIS C 8910 *Primary reference solar cells*"

3 Conditions for measurement

Replace (2) with the following:

- (2) Irradiance (1 000±20) W/m²

4 Measuring device

Replace (2) with the following:

- (2) A thermometer with an accuracy of ±1 °C shall be used for measurement of temperature.

5 Measuring procedure and disposal of data

Replace the first sentence of (7) with the following:

- (7) Calculate temperature coefficients of output current α and output voltage β of a solar module from the following equations by temperature coefficients of output current α_c and output voltage β_c of the solar cells that constitute the module.

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