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**Solar water heater**

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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 as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Solar System Development Association (JSSDA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS A 4111:2013**), which has been technically revised.

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# Solar water heater

## 1 Scope

This Japanese Industrial Standard specifies requirements for the natural circulating type solar water heaters (hereafter referred to as the water heaters) to be installed at a height of 10 m or less from the ground surface level, which are mainly used for the hot water supply of detached housings.

A list of technically significant revisions from the previous edition with reasons is given in Annex C.

## 2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS A 1415 *Methods of exposure to laboratory light sources for polymeric material of buildings*
- JIS A 9504 *Man made mineral fibre thermal insulation materials*
- JIS A 9511 *Preformed cellular plastics thermal insulation materials*
- JIS A 9521 *Thermal insulation materials for buildings*
- JIS B 1501 *Rolling bearings — Balls*
- JIS B 2061 *Faucets, ball taps and flush valves*
- JIS B 2301 *Screwed type malleable cast iron pipe fittings*
- JIS B 2302 *Screwed type steel pipe fittings*
- JIS B 8410 *Pressure reducing valves for water works*
- JIS B 8414 *Relief valves for hot water appliances*
- JIS G 3131 *Hot-rolled mild steel plates, sheet and strip*
- JIS G 3141 *Cold-reduced carbon steel sheet and strip*
- JIS G 3302 *Hot-dip zinc-coated steel sheet and strip*
- JIS G 3312 *Prepainted hot-dip zinc-coated steel sheet and strip*
- JIS G 3313 *Electrolytic zinc-coated steel sheet and strip*
- JIS G 3314 *Hot-dip aluminium-coated steel sheet and strip*
- JIS G 3317 *Hot-dip zinc — 5 % aluminium alloy-coated steel sheet and strip*
- JIS G 3318 *Prepainted hot-dip zinc — 5 % aluminium alloy-coated steel sheet and strip*