

(PREVIEW)

Indian Standard

**SOLAR FLAT PLATE COLLECTOR-SPECIFICATION
PART 1 REQUIREMENTS**

1 SCOPE

1.1 This standard (Part 1) specifies the requirements of solar flat plate collector for water heating.

1.2 This standard does not apply to the following:

- a) Collector in whom heat transfer fluid may change phase, that is, the collectors designed for normal fluid temperature above 100°C with water as the heat transfer fluid;
- b) Concentrating" collectors, used in a system designed to generate mechanical energy/ electricity;
- c) Collectors in which the thermal storage unit is an integral part of the collector so that the collection and the storage processes cannot be separated;
- d) Unglazed flat plate collector;
- e) Installation or mounting of solar collectors; and
- f) Tracking mechanism of the sun following collector system.

2 REFERENCES

The standards listed below contain provisions which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
12933 (Part 2) : 2003 (Part 5) : 2003 12934: 1990	Solar flat plate collector- Specification Components (<i>second revision</i>) Test methods (<i>second revision</i>) Solar energy-Thermal applications -Vocabulary