

Standards

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Standards

- **Standards and specifications** are documents that stipulate or recommend minimum and/or optimal levels of performance, quality, conditions and procedures for production, evaluation, distribution, and use of materials, products, and services.
- Standards can be set by law.
- Others are voluntary and are established by societies with particular interest in the field in question.
- Specifications are usually more narrow in scope than standards.

Standards

- [ASTM & IEEE](#): electronic standards, full image
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- Full Image **ASTM** Standards
- **Index** to United States, international and military standards and specifications

http://www.library.gatech.edu/gtonly/policy_astm.php

ASTM International (American Society of Testing Materials)



ASTM International provides standards used in R&D, product testing, quality systems, and commercial transactions. Full text retrieval is available for currently active standards. Summaries only are available for historic revisions and inactive standards.

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2.	ASHRAE 4782 Details History	Active	2005.01.01	Techno-Economic Analysis of a Large-Scale Rooftop Photovoltaic System	Favorites (Add) Watch List (Add)
2.	ASHRAE 4782 Details History	Active	2005.01.01	Techno-Economic Analysis of a Large-Scale Rooftop Photovoltaic System	Favorites (Add) Watch List (Add)

Document Summary

Title(s):

English -- Techno-Economic Analysis of a Large-Scale Rooftop Photovoltaic System

Document Language(s): English

Organization: ASHRAE

Authored by: [ASHRAE - American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.](#)

DoD Adopted: No

ANSI Approved: No

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 Document Number: ASTM Keywords: solar AND photovoltaic AND electric*

#	Document Number	Status	Date	Title	Tools
1.	ASTM E 927 Redline Details History	Active	2005.04.01	Standard Specification for Solar Simulation for Photovoltaic Testing	Favorites (Add) Watch List (Add)
4.	ASTM E 1328 Redline Details History	Active	2005.04.01	Standard Terminology Relating to Photovoltaic Solar Energy Conversion	Favorites (Add) Watch List (Add)



Designation: E 927 – 05

Standard Specification for Solar Simulation for Photovoltaic Testing¹

This standard is issued under the fixed designation E 927; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification provides means for classifying solar simulators intended for indoor testing of photovoltaic devices (solar cells or modules), according to their spectral match to a reference spectral irradiance, non-uniformity of spatial irradiance, and temporal instability of irradiance.

1.2 Testing of photovoltaic devices may require the use of solar simulators. Test Methods that require specific classification of simulators as defined in this specification include Test Methods **E 948**, **E 1036**, and **E 1362**.

related to photovoltaic performance measurements obtained with a classified solar simulator. Such errors are dependent on the actual instrumentation and procedures used.

1.10 The following precautionary caveat pertains only to the hazards portion, Section 6, of this specification. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.*



Designation: F 855 – 04

Standard Specifications for Temporary Protective Grounds to Be Used on De-energized Electric Power Lines and Equipment ¹

This standard is issued under the fixed designation F 855; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 These specifications cover the equipment making up the temporary grounding system used on de-energized electric power lines, electric supply stations, and equipment.

1.2 It is common practice for the users of protective grounding equipment to prepare complete instructions and regulations to govern in detail the correct use and maintenance of such equipment.

1.3 The uses and maintenance of this equipment are beyond the scope of these specifications.

1.4 These specifications for a system of protective grounding utilizing copper cables are covered in four parts, as follows:

health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 ASTM Standards: ²

B 172 Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors

B 173 Specification for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors

B 263 Test Method for Determination of Cross-Sectional

IEEE Xplore Standards

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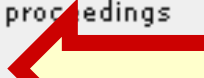
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1 **IEEE recommended practice for qualification of concentrator photovoltaic (PV) receiver sections and modules**

IEEE Std 1513-2001 , 15 May 2001

[\[Abstract\]](#) [\[PDF Full-Text \(664 KB\)\]](#) **IEEE STD**

2 **IEEE recommended practice for qualification of photovoltaic (PV) modules**

IEEE Std 1262-1995 , 12 April 1996

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) **IEEE STD**

Standards at Georgia Tech



ONLINE:

- ◆ [American Society for Testing and Materials \(ASTM\)](#) - GT user access only
 - ◆ [Code of Federal Regulations \(CFR\)](#)
 - ◆ [Department of Defense](#)
 - ◆ [DOE- Department of Energy Technical Standards](#)
 - ◆ [European Computer Manufacturers Association](#)
 - ◆ [European Telecommunications Standards Institute](#) (publicly available drafts and publications)
 - ◆ [Federal Information Processing Standards \(FIPS\)](#)
 - ◆ [Institute of Electrical and Electronics Engineers \(IEEE\)](#) - GT user access only
 - ◆ [National Institute of Standards & Technology](#)
 - ◆ [Specs & Standards](#) - IHS index to standards. The Specs & Standards service contain over 568,000 technical standards, integrated with more than 350,000 U.S. Military and Federal specifications and related documents. File of active and historical standards, specifications, drawings, handbooks, and related technical documents.
-



PRINT:

A few major print standards held by the Georgia Tech Library are listed below. For other standards search the [GT Catalog \(GIL\)](#).

- ◆ **American Society of Heating, Refrigerating and Air-conditioning Engineers. ASHRAE handbook.** TH7011 .A4. Latest edition kept at Ready Reference 1st floor

Standards and Specs. Check the GIL Library Catalog

<http://gil.gatech.edu/>

Call Number CN: TH7011 .A4.
Main Title TM: ASHRAE handbook.
Pub Info PI: Atlanta, GA : American Society of Heating, Refrigerating and Air-conditioning Engineers, Inc., 1981-.

Physical Desc PD: v. : ill. : 29 cm.
1st Issue FI: 1981-.

Title Changes TC: Companion vol. to: ASHRAE product **specification** file. Continues: American Society of Heating, Refrigerating and Air-Conditioning Engineers. ASHRAE handbook & product directory.

Holdings HL: LIBRARY HAS: 1981--1994 1997--1998, pt.1
2001--2002, pt.1.

Notes NT: Annual.
Composed of alternately issued vols. with sub-titles: Heating, ventilating, and air-conditioning applications; Heating, ventilating, and air-conditioning systems and equipment; Refrigeration; Fundamentals.

Call Number CN: TL151 .S62.
Main Author AM: Society of Automotive Engineers.
Main Title TM: SAE handbook.
Pub Info PI: Warrendale, Pa. [etc.] Society of Automotive Engineers, Inc.

Physical Desc PD: v. ill. 18-22 cm.
1st Issue FI: Began publication in 1924?.

Holdings HL: LIBRARY HAS: 1926 1928--1931
1936--1937 1942 1946--1947
1949 1951--1957 1959--1989
1991--20⁰⁰ current

Sample standard found in GIL Catalog

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 **ASME Boiler and Pressure Vessel Code, Section II - Materials (Includes 2002 and 2003 Addenda)** ★

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Description: The International Boiler and Pressure Vessel Code establishes rules of safety governing the design, fabrication, and inspection of boilers and pressure vessels.

GIL Library Catalog

Call Number CN: TJ290 .A514.
Main Author AM: American Society of Mechanical Engineers. **Boiler and Pressure Vessel Committee.**
Main Title TM: ASME boiler and pressure vessel code.
Elec. Access EA: Section II - Materials; Available online, Knovel, 2001- : <http://www.library.gatech.edu:2048/login?url=http://www.knovel.com/knovel2/Toc.jsp?BookID=895>.

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 - **“Legal Resources”**
 - **“Government Information”**
- **Federal Register**. Codified in the
- **Code of Federal Regulations**
- **Georgia Rules and Regulations**
(Galileo).

Regulatory Agencies

- **Occupational Safety and Health Administration**
- **Consumer Product Safety Commission**
- National Highway Traffic Safety Administration, etc.