IEC 62920

Edition 2.0 2026-10

INTERNATIONAL STANDARD

Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

ICS 27.160

ISBN 978-2-8327-1544-4

THIS PUBLICATION IS COPYRIGHT PROTECTED
Copyright © 2026 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester. If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

IEC Secretariat
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

About the IEC
The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications
The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigendum or an amendment might have been published.

IEC publications search - webstore.iec.ch/advsearchform
The advanced search enables to find IEC publications by a variety of criteria (reference number, text, technical committee, …). It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished
Stay up to date on all new IEC publications. Just Published details all new publications released. Available online and once a month by email.

IEC Customer Service Centre - webstore.iec.ch/csc
If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: sales@iec.ch.

IEC Products & Services Portal - products.iec.ch
Discover our powerful search engine and read freely all the publications previews, graphical symbols and the glossary. With a subscription you will always have access to up to date content tailored to your needs.

Electropedia - www.electropedia.org
The world's leading online dictionary on electrotechnology, containing more than 22 500 terminological entries in English and French, with equivalent terms in 25 additional languages. Also known as the International Electrotechnical Vocabulary (IEV) online.

Warning! Make sure that you obtained this publication from an authorized distributor.

CONTENTS

FOREWORD 5
INTRODUCTION 7
1 Scope 9
2 Normative references 9
3 Terms and definitions 11
4 Classification of PCE 17
4.1 Category of locations 17
4.2 Division into classes 17
4.3 Information for users 18
5 Test setup 18
5.1 General 18
5.2 Configuration of test setups 18
5.2.1 General 18
5.2.2 Setups for immunity requirement test 19
5.2.3 Setups for low frequency emission requirement tests 20
5.2.4 Setups for high frequency emission requirement tests 20
6 Operating conditions during testing 21
6.1 General 21
6.2 Operating conditions for immunity requirement test 22
6.3 Operating conditions for low frequency emission requirement test 22
6.4 Operating conditions for high frequency emission requirement test 22
7 Immunity requirements 23
7.1 Requirements 23
7.2 Performance criteria 28
8 Emission requirements 29
8.1 Low frequency 29
8.1.1 General 29
8.1.2 Harmonics 29
8.1.3 Voltage change 30
8.2 High frequency 30
8.2.1 General 30
8.2.2 Conducted emission 30
8.2.3 Radiated emission 34
9 Test procedures, results and report 37
Annex A (informative) Configuration examples of test setups 38
A.1 General 38
A.2 Setups for immunity requirement test 38
A.2.1 Electrostatic discharge 38
A.2.2 Radiated immunity 40
A.2.3 Electrical fast transient/burst 41
A.2.4 Surge 43
A.2.5 Conducted disturbances, induced by radio-frequency fields 45
A.2.6 Voltage dips and interruption 45

A.3 Setups for high frequency emission requirement test 46
A.3.1 Conducted disturbances 46
A.3.2 Radiated disturbances 49
Annex B (informative) Setups for low frequency emission requirement test 51
B.1 General 51
B.2 Example of a test circuit for low frequency emission requirement test 51
B.2.1 Harmonics 51
B.2.2 Voltage fluctuations and flicker 53
Annex C (informative) Test setup for conducted disturbance measurement 55
C.1 General 55
C.2 Examples of a test setup 55
Annex D (informative) Alternative test setups for high-power PCE 58
D.1 General 58
D.2 Alternative setup for immunity requirement test 58
D.2.1 Alternative setups for EFT or burst immunity test 58
D.2.2 Alternative setup for surge test 59
D.2.3 Alternative test setup for conducted disturbances, induced by radio-frequency fields 59
D.2.4 Conducted disturbances measurement 60
Annex E (normative) Conditional measurement methods and limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports 62
E.1 Consideration of requirements specified in CISPR 32 and covered in this document 62
E.2 Configuration of EUT specified in CISPR 32 62
E.3 Measurement conditions specified in CISPR 32 63
E.4 Proposals on measurements for wired network ports cover in this document 64
E.5 Consideration of the interface model covered in this document 64
E.6 Applicable conducted emission limits at wired network ports in this document 65
Bibliography 66

Figure 1 – Example of ports 12
Figure A.1 – Example of a test setup for direct application of discharges to PCE 39
Figure A.2 – Example of a test setup for indirect application of discharges to PCE 39
Figure A.3 – Example of a test setup for wall-mounted PCE 41
Figure A.4 – Example of a test setup for direct coupling of the test voltage to AC mains power ports 42
Figure A.5 – Example of a test setup for application of the test voltage with a capacitive coupling clamp 43
Figure A.6 – Example of a test setup for AC mains power ports 44
Figure A.7 – Example of a test setup for DC power ports 44
Figure A.8 – Example of a setup of conducted disturbances immunity test applied for wall-mounted PCE 45
Figure A.9 – Example of a test setup using a generator for voltage dips and short interruptions 46
Figure A.10 – Example of a test setup of conducted disturbances measurement applied for wall-mounted PCE 47
Figure A.11 – Example of a test setup of conducted disturbances measurement applied for wall-mounted PCE with power circulation 48

Figure A.12 – Example of a test setup of conducted disturbances measurement applied for wall-mounted PCE with direct connection to AC mains 49
Figure A.13 – Example of a test setup of radiated disturbances measurement applied for wall-mounted PCE 50
Figure B.1 – Measurement circuit for single-phase two-wire PCE 51
Figure B.2 – Measurement circuit for single-phase three-wire PCE 52
Figure B.3 – Measurement circuit for three-phase three-wire PCE 52
Figure B.4 – Measurement circuit for three-phase four-wire PCE 52
Figure B.5 – Measurement circuit for single-phase two-wire PCE 53
Figure B.6 – Measurement circuit for single-phase three-wire PCE 53
Figure B.7 – Measurement circuit for three-phase three-wire PCE 54
Figure B.8 – Measurement circuit for three-phase four-wire PCE 54
Figure C.1 – Example of a standardized test setup for conducted disturbances measurement with AC mains power supply 56
Figure C.2 – Example of a standardized test setup for conducted disturbances measurement with a laboratory AC power source 57
Figure D.1 – Example of an alternative setup for EFT or burst immunity test 58
Figure D.2 – Example of an alternative coupling/decoupling network for AC mains power ports 59
Figure D.3 – Example of a test setup applying clamp injection method to AC mains power ports 60
Figure D.4 – Alternative test setup of conduced disturbances measurement using artificial networks as voltage probes 61
Figure E.1 – Typical circuit diagram of PCE which is equipped with wired network ports configured with a module 63

Table 1 – Immunity requirements for class B PCE 24
Table 2 – Immunity requirements for class B PCE (for ports besides power ports) 25
Table 3 – Immunity requirements for class A PCE 26
Table 4 – Immunity requirements for class A PCE (for ports besides power ports) 27
Table 5 – Voltage dips and interruption immunity requirements for class B PCE 27
Table 6 – Voltage dips and interruption immunity requirements for class A PCE 28
Table 7 – Performance criteria for immunity tests 29
Table 8 – Disturbance voltage limits at the AC mains and auxiliary AC power port for class A PCE measured on a test site 31
Table 9 – Disturbance voltage limits at the AC mains and auxiliary AC power port for class B PCE measured on a test site 31
Table 10 – Disturbance limits at the DC power port for class A PCE measured on a test site 32
Table 11 – Disturbance limits at the DC power port for class B PCE measured on a test site 32
Table 12 – Applicability of measurements at DC power ports 33
Table 13 – Limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports for class A PCE 34
Table 14 – Limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports for class B PCE 34

Table 15 – Electromagnetic radiation disturbance limits up to 1 GHz for class A PCE measured on a test site 35
Table 16 – Electromagnetic radiation disturbance limits up to 1 GHz for class B PCE measured on a test site 35
Table 17 – Electromagnetic radiation disturbance limits > 1 GHz for class A PCE measured on a test site 36
Table 18 – Electromagnetic radiation disturbance limits > 1 GHz for class B PCE measured on a test site 36
Table 19 – Required highest frequency for radiated measurement 37

INTERNATIONAL ELECTROTECHNICAL COMMISSION

_____

Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at https://patents.iec.ch. IEC shall not be held responsible for identifying any or all such patent rights.

IEC 62920 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems. It is an International Standard.

This second edition cancels and replaces the first edition published in 2017 and Amendment 1:2021. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) PCE with radio functionality is added in the scope;
b) operating conditions for tests are revised to cover wired and wireless communications;
c) immunity requirements for antenna ports are added;
d) the surge test is added in the immunity requirements for wired and wireless network ports of class B PCE;

e) performance criteria are revised to cover wired and wireless communications;

f) current limits are added in the table of disturbance limits at the DC power port for class A PCE to cover requirements of the measurement of common mode current when artificial networks are used as voltage probes;

g) limits of conducted common mode disturbance at the antenna port are added;

h) conditional measurement methods and limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports are added;

i) electromagnetic radiation disturbance limits above 1 GHz are added;

j) an annex for the rational conditional measurement methods and limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports is added.

The text of this International Standard is based on the following documents:

Draft	Report on voting
82/2652/FDIS	82/2702/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,

– withdrawn, or

– revised.

INTRODUCTION

Background

Power conversion equipment (PCE) is indispensable for solar photovoltaic power energy systems in order to convert the DC electric power energy generated by solar photovoltaic modules into AC or DC electric power, and to feed the AC power energy into the AC mains network or loads. PCE consists of DC to DC, DC to AC or AC to DC converters and forms systems with or without DC-coupled electrical energy storage devices.

Manufacturers of PCE ensure the performance and reliability of PCE. Electromagnetic compatibility (EMC) is one aspect of performance which must be ensured wherever PCE is used in or exposed to an electromagnetic environment.

IEC Guide 107 specifies that TC 77 and CISPR, which are called EMC committees, have responsibility for the development of basic, product family and generic standards on EMC requirements, and product committees must use the emission limits developed by EMC committees and must refer to basic immunity standards for the specification of test techniques.

However, when the EMC standards which are developed by TC 77 and CISPR are not considered suitable for a particular product or electromagnetic environment, product committees must seek their assistance and advice for any change in either the emission limits or measurement requirements, or both. Product committees are responsible for selecting the appropriate immunity test items and levels for their products as well as for defining the relevant performance criteria for the evaluation of the immunity test results. Consequently, product committees, such as TC 22, TC 26, TC 9, and TC 69, have their own EMC standard to define EMC requirements and test methods for their particular types of products.

TC 82 also has the responsibility to consider EMC requirements for PCE applying to the solar photovoltaic power energy systems, and TC 82 has taken action as follows to develop its own product EMC standards:

a) selection of the immunity test items in accordance with EMC environments for the solar photovoltaic power energy systems;

b) supplement of generic standards with a detailed description of test conditions and test set up;

c) development of the conditional limits and alternative test methods in terms of installation environmental and operational conditions;

d) development of appropriate requirements and test method for high power equipment.

In 2017, TC 82 published IEC 62920 (ed.1.0) and covered the minimum EMC requirements for PCE applying to solar photovoltaic power energy systems in consideration with the above-mentioned items.

Following the state-of-the-art technology as well as the latest market needs, IEC 62920:2017 is amended to extend its scope by taking into account the following technical items:

– DC to DC power conversion equipment used in photovoltaic power energy systems;

– electrical energy storage devices connected to DC power ports of PCE used in photovoltaic power energy systems;

– 5 m antenna distance of radiated disturbance measurements for the medium size PCE.

Maintenance of IEC 62920:2017 and IEC 62920:2017/AMD1:2017

For the purpose of keeping the consistency with EMC basic standards and considering market needs, TC 82 started the maintenance of IEC 62920:2017 and IEC 62920:2017/AMD1:2017 for the development of ed.2.0 in November 2021.

This document covers the following items:

– PCE with radio functionality is added in the scope;
– normative references are updated;
– some terms and definitions are updated or deleted;
– terms and definitions relevant to radio functionality are added;
– the classification of PCE is revised to introduce the location classes;
– the configurations of test setups are revised to cover the operation of the wired and wireless functions;
– setups for high frequency emission requirement test are updated to keep the consistency with EMC basic standards, such as CISPR 16-1-2 and CISPR 16-2-3;
– operating conditions for tests are revised to cover wired and wireless communications;
– immunity requirements for antenna ports are added;
– the surge test is added in the immunity requirements for wired and wireless network ports of class B PCE;
– immunity requirements regarding IEC 61000-4-3 are revised to fill the gap of frequency range;
– performance criteria are revised to cover wired and wireless communications;
– current limits are added in the table of disturbance limits at the DC power port for class A PCE to cover requirements of the measurement of common mode current when artificial networks are used as voltage probes;
– limits of conducted common mode disturbance at the antenna port are added;
– conditional measurement methods and limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports are added;
– electromagnetic radiation disturbance limits above 1 GHz are added;
– an annex for the rational conditional measurement methods and limits of conducted common mode (asymmetric mode) disturbance at ports other than power ports is added.

1 Scope

This document specifies electromagnetic compatibility (EMC) requirements for power conversion equipment (PCE) (e.g. DC to DC, DC to AC and AC to DC) for use in photovoltaic (PV) power systems with or without electrical energy storage devices.

PCE covered by this document can be grid-interactive, which is termed as a grid connected power converter (GCPC), or stand-alone. It can be supplied by single or multiple photovoltaic modules grouped in various array configurations. The PCE can be intended for use in conjunction with batteries or other forms of energy storage and therefore a uni- or bidirectional.

This document covers not only PCE connected to a public low voltage AC mains network or other low voltage AC mains installation, but also PCE connected to a medium or high voltage AC network with or without step-down power transformers. Requirements for the PCE connected to a medium or high voltage AC network are specified in this document. However, some requirements relevant to grid interconnection are addressed with other standards specifying power quality or their own grid codes in some countries.

This document provides test methods and test conditions for PCE at a test site, but not for photovoltaic modules and other balance of system components.

PCE which incorporates either radio transmit or receive, or both functions, as wireless communication functions, is included in the scope of this document as PCE with radio functionality. However, the emission requirements in this document are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU including their spurious emissions.

When compliance with EMC requirements at the test site cannot be shown due to technical reasons of the test site, PCE can be assessed in situ. However, only high frequency emission requirements for in situ assessment are specified in CISPR 11.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-195:2021, *International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock*

IEC 60050-485:2020, *International Electrotechnical Vocabulary (IEV) - Part 485: Fuel cell technologies*

IEC 60050-601:1985, *International Electrotechnical Vocabulary (IEV) - Part 601: Generation, transmission and distribution of electricity - General*

IEC TS 61836:2025, *Solar photovoltaic energy systems - Terms, definitions and symbols*

IEC 61000-3-2:2018, *Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*
IEC 61000-3-2:2018/AMD1:2020
IEC 61000-3-2:2018/AMD2:2024

IEC 61000-3-3:2013, *Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*
IEC 61000-3-3:2013/AMD1:2017
IEC 61000-3-3:2013/AMD2:2021

IEC 61000-3-11:2017, *Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection*

IEC 61000-3-12:2011, *Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase*
IEC 61000-3-12:2011/AMD1:2021

IEC 61000-4-2, *Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test*

IEC 61000-4-3, *Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-4-4:2012, *Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test*

IEC 61000-4-5:2014, *Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test*
IEC 61000-4-5:2014/AMD1:2017

IEC 61000-4-6:2023, *Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields*

IEC 61000-4-7:2002, *Electromagnetic compatibility (EMC) - Part 4-7: Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto*

IEC 61000-4-11:2020, *Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per* phase

IEC 61000-4-15, *Electromagnetic compatibility (EMC) - Part 4-15: Testing and measurement techniques - Flickermeter - Functional and design specifications*

IEC 61000-4-34:2005, *Electromagnetic compatibility (EMC) - Part 4-34: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase*
IEC 61000-4-34:2005/AMD1:2009
IEC 61000-4-34:2005/AMD2:2025

IEC 61000-6-3:2026, *Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential locations*

IEC 61000-6-4:2018, *Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments*

IEC 61000-6-8:2020, *Electromagnetic compatibility (EMC) - Part 6-8: Generic standards - Emission standard for professional equipment in commercial and light-industrial locations*

IEC 62109-1:2010, *Safety of power converters for use in photovoltaic power systems - Part 1: General requirements*

CISPR 11:2024, *Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement*

CISPR 16-1-1:2019*, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus*

CISPR 16-1-2:2014, *Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted disturbance measurements*
CISPR 16-1-2:2014/AMD1:2017

CISPR 16-1-4:2025*, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements*

CISPR 16-1-6:2014*, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration*
CISPR 16-1-6 2014/AMD1:2017
CISPR 16-1-6 2014/AMD2:2022

CISPR 16-2-1:2014, *Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements*
CISPR 16-2-1:2014/AMD1:2017

CISPR 16-2-3:2016, *Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements*
CISPR 16-2-3:2016/AMD1:2019
CISPR 16-2-3:2016/AMD2:2023

CISPR 32:2015, *Electromagnetic compatibility of multimedia equipment - Emission requirements*
CISPR 32:2015/AMD1:2019

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-195, IEC 60050-485, IEC 60050-601, IEC 60050-713, IEC 61000-6-3, IEC 61000-6-4, IEC TS 61836, IEC 62109-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

– IEC Electropedia: available at https://www.electropedia.org/

– ISO Online browsing platform: available at https://www.iso.org/obp

3.1
photovoltaic power generating system
PV system
electric power generating system which uses the photovoltaic effect to convert solar power into electricity