Ausgabestände der Prüfverfahren im Akkreditierungsbereich der DAkkS für die Zertifizierungsstelle

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Photovoltaic
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Die folgende Liste beinhaltet alle aktuell verifizierten Prüfverfahren im Akkreditiertem Umfag der Zertifizierungsstelle, durch die DAkkS flexibel oder nicht flexibel akkreditiert.(Typ III). Diese Liste wird in regelmäßigen Abständen durch das Laboratorium ergänzt und aktualisiert. Dem Prüflaboratorium ist, ohne dass es einer vorherigen Information und Zustimmung der DAkkS bedarf, die Anwendung der hier aufgeführten genormten oder ihnen gleichzusetzenden Prüfverfahren mit unterschiedlichen Ausgabeständen gestattet. Nicht aufgeführte Ausgabestände oder benötigte Prüfverfahren können gerne angefragt und von uns kostenlos auf Machbarkeit überprüft werden.

Der aktuelle Stand des Geltungsbereiches der Akkreditierung ist auf der Seite der Deutschen Akkreditierungsstelle GmbH zu entnehmen:

https://www.dakks.de/D-ZE-12007-02-01

Die mit # gekennzeichneten Normen unterliegen nicht der Flexibilisierung.

Fachbereich	Norm oder Prüfverfahren	Ausgabestand	Titel der Norm
PV applications	P 12-VA-01	2019-06	# Certification of consumer products, machineries and products for PV applications
BOS	IEC 62109-1 2010-04 EN 62109-1 2010-07	2010-04 2010-07	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements
BOS	IEC 62109-2 2011-06 EN 62109-2 2011-09	2011-06 2011-09	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters
BOS	IEC 62109-3 2020-07 EN IEC 62109-2 2020-08	2020-07 2020-08	Safety of power converters for use in photovoltaic power systems - Part 3: Particular requirements for electronic devices in combination with photovoltaic elements
BOS	IEC 61683 1999-11	1999-11	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency
BOS	EN 50530 2010-04 + A1 2013-03	2013-03	Overall efficiency of grid connected photovoltaic inverters

BOS	IEC 62891 2020-07	2020-07	Maximum power point tracking efficiency of grid connected photovoltaic inverters
BOS	IEC 60068-2-1 2007-03	2007-03	Environmental testing - Part 2-1: Tests - Test A: Cold
BOS	IEC 60068-2-2 2007-07	2007-07	Environmental testing - Part 2-2: Tests - Test B: Dry heat
BOS	IEC 60068-2-14 2009-02	2009-02	Environmental testing - Part 2-14: Tests - Test N: Change of temperature
BOS	IEC 60068-2-14 2023-07	2023-07	Environmental testing - Part 2-14: Tests - Test N: Change of temperature
BOS	IEC 60068-2-30 2005-08	2005-08	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)
BOS	IEC 62093 2005-03 EN 62093 2005-05	2005-03 2005-05	Balance-of-system components for photovoltaic systems - Design qualification natural environments
BOS	IEC 62093 2022-01 EN IEC 62093 2022-02	2022-01 2022-02	Balance-of-system components for photovoltaic systems - Design qualification natural environments
BOS	IEC 62509 2010-12 EN 62509 2011-09	2010-12 2011-09	Battery charge controllers for photovoltaic systems - Performance and functioning
BOS	IEC 61439-1 2020-05 EN IEC 61439-1 2020-06	2020-05 2020-06	Low-voltage switchgear and controlgear assemblies - Part 1: General rules
BOS	IEC 61439-2 2020-07 EN IEC 61439-2 2020-09	2020-07 2020-09	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies
BOS	IEC 62817 2014-08 + AMD1 2017-07 EN 62817 2015-03 + A1 2017-11	2017-07 2017-11	Photovoltaic systems - Design qualification of solar trackers

ESS	IEC 62619 2017-02 EN 62619 2017-05	2017-02 2017-05	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications
ESS	IEC 62619 2022-05 EN IEC 62619 2022-07	2022-05 2022-07	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications
ESS	IEC 63056 2020-03 EN IEC 63056 2020-05	2020-03 2020-05	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems
ESS	IEC 62620 2014-11 EN 62620 2015-01	2014-11 2015-01	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications
ESS	IEC 62620 2014-11 + AMD1 2023-05 EN 62620 2015-01 + A1 2023-06	2023-05 2023-06	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications
ESS	IEC 61427-1 2013-04 EN 61427-1 2013-07	2013-04 2013-07	Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 1: Photovoltaic off-grid application
ESS	IEC 61427-2 2015-08 EN 61427-2 2015-11	2015-08 2015-11	Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications
ESS	IEC 61427-2 2015-08 + AMD1 2024-03 EN 61427-2 2015-11 + A1:2024-05	2024-03 2024-05	Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications
ESS	VDE-AR-E 2510-50 2017-05	2017-05	Stationary battery energy storage systems with lithium batteries - Safety requirements
ESS	IEC 62040-1 2017-07 + COR1 2019-10 + AMD1 2021-05 EN IEC 62040-1 2019-07	2021-05 2021-02	Uninterruptible power systems(UPS) - Part 1: Safety requirements
ESS	EN IEC 62040-1 2019-07 + AC 2019-11 + A11 2021-02 + A1 2023-06	2023-06	Uninterruptible power systems(UPS) - Part 1: Safety requirements
ESS	IEC 62040-1 2017-07 + COR1 2019-10 + AMD1 2021-05 + AMD2 2022-11	2022-11	Uninterruptible power systems(UPS) - Part 1: Safety requirements
ESS	IEC 62040-3 2011-03 EN 62040-3 2011-06	2011-03 2011-06	Uninterruptible power systems(UPS) - Part 3: Method of specifying the performance and test requirements

ESS	IEC 62040-3 2021-04 EN IEC 62040-3 2021-05	2021-04 2021-05	Uninterruptible power systems(UPS) - Part 3: Method of specifying the performance and test requirements
ESS	IEC 62040-4 2013-04 EN 62040-4 2013-09	2013-04 2013-09	Uninterruptible power systems(UPS) - Part 4: Environmental aspects - Requirements and reporting
ESS	IEC 62040-5-3 2016-10 EN 62040-5-3 2017-02	2016-10 2017-02	Uninterruptible power systems(UPS) - Part 5-3: DC output UPS - Performance and test requirements
ESS	IEC 62477-1 2012-07 + AMD1 2016-07 EN 62477-1 2012-10 + A11 2014-08 + A1 2017-02 + A12 2021-02	2016-07 2021-02	Safety requirements for power electronic converter systems and equipment - Part 1: General
ESS	IEC 62477-1 2022-05 EN IEC 62477-1 2023-10	2022-05 2023-10	Safety requirements for power electronic converter systems and equipment - Part 1: General
ESS	IEC 61851-1 2017-02 EN IEC 61851-1 2019-07	2017-02 2019-07	Electric vehicle conductive charging system - Part 1: General requirements
ESS	IEC 61851-23 2014-03 + COR1 2016-05 EN 61851-23 2014-05 + AC 2016-06	2016-05 2016-06	Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station
ESS	IEC 61851-23 2023-12	2023-12	Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station
ESS	IEC 61851-24 2014-03 + COR1 2015-06 EN 61851-24 2014-05 + AC 2015-06	2014-03 2015-06	Electric vehicle conductive charging system - Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging
ESS	IEC 61851-24 2023-12	2023-12	Electric vehicle conductive charging system - Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging
ESS	TR 25 2016-07+ A1 2020-12	2016-07 2020-12	Electric vehicle charging system

ESS	TR 25-1 2022-01	2022-01	Electric vehicle charging system - Part 1: Electrical safety and general requirements
ESS	TR 25-2 2022-01	2022-01	Electric vehicle charging system - Part 2: Low power charging
ESS	TR 25-3 2022-01	2022-01	Electric vehicle charging system - Part 3: High power charging
ESS	TR 25-4 2022-01	2022-01	Electric vehicle charging system - Part 4: Battery swapping
ESS	IEC 61851-21-1 2017-06 EN 61851-21-1 2017-10 + AC 2017-11	2017-06 2017-11	Electric vehicle conductive charging system - Part 21-1 Electric vehicle on-board charger EMC requirements for conductive connection to AC/DC supply
ESS	IEC 61851-21-2 2018-04 EN 61851-21-2 2018-02	2018-04 2018-02	Electric vehicle conductive charging system - Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply - EMC requirements for off board electric vehicle charging systems
ESS	GB/T 34120 2017	2017	Technical specification for power conversion system of electrochemical energy storage system
ESS	IEC 62752 2016-03 + AMD1 2018-09 EN 62752 2016-08 + AC 2019-03 + A1 2020-05	2018-09 2020-05	In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)
ESS	IEC 62752 2024-03 EN IEC 62752 2024-10	2024-03 2024-10	In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles
ESS	IEC 62196-1 2014-06 EN 62196-1 2014-11	2014-06 2014-11	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements
ESS	IEC 62196-1 2022-05 EN IEC 62196-1 2022-11	2022-05 2022-11	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements
ESS	IEC 62196-2 2016-02 EN 62196-2 2017-04	2016-02 2017-04	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories

ESS	IEC 62196-2 2022-10 EN IEC 62196-2 2022-11	2022-10 2022-11	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories
ESS	IEC 62196-3 2014-06 EN 62196-3 2014-11	2014-06 2014-11	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers
ESS	IEC 62196-3 2022-05 EN IEC 62196-3 2022-11	2022-05 2022-11	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers
ESS	IEC TS 62196-3-1 2020-03	2020-03	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3-1: Vehicle connector, vehicle inlet and cable assembly for DC charging intended to be used with a thermal management system
ESS	IEC TS 62257-9-5 2018-06	2018-06	Recommendations for renewable energy and hybrid systems for rural electrification - Part 9-5: Integrated systems - Laboratory evaluation of stand-alone renewable energy products for rural electrification
ESS	IEC TS 62257-9-5 2024-12	2024-12	Renewable energy off-grid systems - Part 9-5: Integrated systems - Laboratory evaluation of stand-alone renewable energy products for rural electrification
ESS	IEC 62933-2-1 2017-12 EN IEC 62933-2-1 2018-03	2017-12 2018-03	Electrical energy storage (EES) systems - Part 2-1: Unit parameters and testing methods - General specification
ESS	IEC TS 62933-3-1 2018-08	2018-08	Electrical energy storage (EES) systems - Part 3-1: Planning and performance assessment of electrical energy storage systems - General specification
ESS	IEC TS 62933-4-1 2017-07	2017-07	Electrical energy storage (EES) systems - Part 4-1: Guidance on environmental issues - General specification
ESS	IEC TS 62933-5-1 2017-07	2017-07	Electrical energy storage (EES) systems - Part 5-1: Safety considerations for grid-integrated EES systems - General specification
ESS	IEC TS 62933-5-1 2024-07	2024-07	Electrical energy storage (EES) systems - Part 5-1: Safety considerations for grid-integrated EES systems - General specification
ESS	IEC 62933-5-2 2020-04	2020-04	Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid-integrated EES systems - Electrochemical-based systems
PV Components	IEC 61215 2005-04 EN 61215 2005-05	2005-04 2005-05	Terrestrial crystalline silicon photovoltaic (PV) modules - Design qualification and type approval

PV Components	IEC 61215-1 2016-03 EN 61215-1 2016-12	2016-03 2016-12	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Requirements for testing
PV Components	IEC 61215-1 2021-02	2021-02	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Requirements for testing
PV Components	IEC 61215-1-1 2016-03 EN 61215-1-1 2016-06	2016-03 2016-06	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules
PV Components	IEC 61215-1-1 2021-02	2021-02	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules
PV Components	IEC 61215-1-2 2016-03 EN 61215-1-2 2016-06	2016-03 2016-06	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules
PV Components	IEC 61215-1-2 2021-02 EN IEC 61215-1-2 2021-03	2021-02 2021-03	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules
PV Components	IEC 61215-1-2 2021-02 + AMD1:2022-03 EN IEC 61215-1-2 2021-03 + A1:2022-05	2022-03 2022-05	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules
PV Components	IEC 61215-1-3 2016-03 EN 61215-1-3 2016-06	2016-03 2016-06	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules
PV Components	IEC 61215-1-3 2021-02	2021-02	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules
PV Components	IEC 61215-1-3 2021-02 + AMD1:2022-03 EN IEC 61215-1-3 2021-03 + A1:2022-05	2022-03 2022-05	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules
PV Components	IEC 61215-1-4 2016-03 EN 61215-1-4 2016-06	2016-03 2016-06	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules
PV Components	IEC 61215-1-4 2021-02	2021-02	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules
PV Components	IEC 61215-1-4 2021-02 + AMD1:2022-03 EN IEC 61215-1-4 2021-03 + A1:2022-05	2022-03 2022-05	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules

PV Components	IEC 61215-2 2016-03 EN 61215-2 2017-02 + AC 2017-07 + AC 2018-04	2016-03 2017-02	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures
PV Components	IEC 61730-1 2004-10 + AMD1 2011-11 + AMD2 2013-03 EN 61730-1 2007-05 +	see Standard	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
PV Components	IEC 61730-1 2016-08 EN IEC 61730-1 2018-04 + AC 2018-06	2016-08 2018-04 + AC 2018-06	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
PV Components	IEC 61730-1 2023-09	2023-09	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
PV Components	IEC 61730-2 2004-10 + AMD1 2011-11 EN 61730-2 2007-05 + A1 2012-02	see Standard	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
PV Components	IEC 61730-2 2016-08 EN IEC 61730-2 2018-04 + AC 2018-06	2016-08 2018-04 + AC 2018-06	Photovoltaik (PV) module safety qualification - Part 2: Requirements for testing
PV Components	IEC 61730-2 2023-09	2023-09	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
PV Components	IEC 61646 2008-05 EN 61646 2008-08	2008-05 2008-08	Thin-film terrestrial photovoltaic (PV) modules - Design qualification and type approval
PV Components	IEC 62108 2016-09 EN 62108 2016-12	2016-09 2016-12	Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval
PV Components	IEC 62108 2022-06 EN IEC 62108 2022-07	2022-06 2022-07	Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval
PV Components	IEC 61701 2011-12 EN 61701 2012-03	2011-12 2012-03	Salt mist corrosion testing of photovoltaic (PV) modules
PV Components	IEC 61701 2020-06 EN IEC 61701 2020-08	2020-06 2020-08	Salt mist corrosion testing of photovoltaic (PV) modules
PV Components	IEC 62716 2013-06 EN 62716 2013-08 + AC 2014-05	2013-06 2013-08 + AC 2014-05	Photovoltaic (PV) modules - Ammonia corrosion testing
PV Components	IEC TS 62941 2016-01	2016-01	Terrestrial photovoltaic (PV) modules - Guidelines for increased confidence in PV modules design qualification and type approval

PV Components	IEC 62790 2020-07 EN IEC 62790 2020-09	2020-07 2020-09	Junction boxes for photovoltaic modules - Safety requirements and tests
PV Components	IEC 62852 2014-11 + AMD1 2020-03 EN 62852 2015-03 + AC 2019-02 + A1 2020-05	see Standard	Connectors for DC-application in photovoltaic systems - Safety requirements and tests
PV Components	IEC 62930 2017-12	2017-12	Electric cables for photovoltaic systems with a voltage rating of 1,5 kV DC
PV Components	EN 50618 2014-12	2014-12	Electric cables for photovoltaic systems
PV Components	IEC 61345 1998-02	1988-02	UV test for photovoltaic (PV) modules Determines the ability of a photovoltaic module to withstand exposure to ultraviolet (UV) radiation from 280 nm to 400 nm.
PV Components	IEC 60068-2-68 1994-08	1994-08	Environmental testing - Part 2: Tests - Test L: Dust and sand
PV Components	IEC 62759-1 2015-06 EN 62759-1 2015-09	2015-06 2015-09	Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units
PV Components	IEC 62759-1 2022-07 EN IEC 62759-1 2022-08	2022-07 2022-08	Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units
PV Power Plants	IEC 62446-1 2016-01 + AMD1 2018-08 EN 62446-1 2016-04 + A1 2018-10	2018-08 2018-10	Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection
PV Power Plants	IEC TS 62446-3 2017-06	2017-06	Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 3: Photovoltaic modules and plants - Outdoor infrared thermography
PV Power Plants	IEC 61724-1 2017-03 EN 61724-1 2017-05	2017-03 2017-05	Photovoltaic system performance - monitoring
PV Power Plants	IEC 61724-1 2021-07 EN IEC 61724-1 2021-08	2021-07 2021-08	Photovoltaic system performance -part1: monitoring
PV Power Plants	IEC TS 61724-2 2016-10	2016-10	Photovoltaic system performance - Part 2: Capacity evaluation method

PV Power Plants	IEC TS 61724-3 2016-07	2016-07	Photovoltaic system performance - Part 3: Energy evaluation method
PV Power Plants	IEC TS 63049 2017-09	2017-09	Terrestrial photovoltaic (PV) systems - Guidelines for effective quality assurance in PV systems installation, operation and maintenance
PV Power Plants	IEC 62548 2016-09	2016-09	Photovoltaic (PV) arrays - Design requirements
PV Power Plants	IEC TS 62738 2018-08	2018-08	Ground-mounted photovoltaic power plants - Design guidelines and recommendations
PV Power Plants	IEC TS 62941 2016-01	2016-01	Terrestrial photovoltaic (PV) modules - Guideline for increased confidence in PV module design qualification and type approval