



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

SERTC TESTING CENTER CO., LTD.

NO. 230, SEC 2, FENGSHI ROAD
TAICHUNG, 420, TAIWAN

Testing Laboratory TL-1280

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date December 5, 2024



International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

SERTC TESTING CENTER CO., LTD.

Contact Name Chung Lun Chiang

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Accredited to ISO/IEC 17025:2017

Effective Date December 5, 2024

EMC TESTING	
AS CISPR 11	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (include in situ test)
AS IEC 62040.2	Uninterruptible power systems (UPS) —Part 2: Electromagnetic compatibility (EMC) requirements
AS/NZS 61000.3.2	Electromagnetic compatibility (EMC) - Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
AS/NZS 61000.3.3	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
AS/NZS 61000.3.11	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
AS/NZS 61000.3.12	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
AS/NZS 61000.4.2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques — Electrostatic discharge immunity test
AS/NZS 61000.4.3	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test
AS/NZS 61000.4.4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test
AS/NZS 61000.4.5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques — Surge immunity test BS
AS/NZS 61000.4.6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques — Immunity to conducted disturbances, induced by radio-frequency fields
AS/NZS 61000.4.8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
AS/NZS 61000.4.11	Electromagnetic compatibility (EMC) — Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests

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AS/NZS 61000.4.13	Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity tests
AS/NZS 61000.4.34	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
AS/NZS 61000.6.1	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial, and light-industrial environments
AS/NZS 61000.6.2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments (include in situ test)
AS/NZS 61000.6.3	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
AS/NZS 61000.6.4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (include in situ test)
AS/NZS CISPR 14.1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission
AS/NZS CISPR 14.2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus –Part 2: Immunity – Product family standard
AS/NZS CISPR 32	Electromagnetic compatibility of multimedia equipment - Emission Requirements
BS EN 55011	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (include in situ test)
BS EN 55014-1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission
BS EN 55014-2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus –Part 2: Immunity – Product family standard
BS EN 55032	Electromagnetic compatibility of multimedia equipment - Emission Requirements
BS EN 55035	Electromagnetic compatibility of multimedia equipment - Immunity requirements
BS EN 60601-1-2	Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance — Collateral Standard: Electromagnetic disturbances — Requirements and tests
BS EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits — Limits for harmonic current emissions (equipment input current \leq 16 A per phase)
BS EN 61000-3-3	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 \leq 16 A per phase and not subject to conditional connection
BS EN 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage

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	supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
BS EN 61000-3-12	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
BS EN 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques — Electrostatic discharge immunity test
BS EN 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test
BS EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test
BS EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques — Surge immunity test
BS EN 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques — Immunity to conducted disturbances, induced by radio-frequency fields
BS EN 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
BS EN 61000-4-11	Electromagnetic compatibility (EMC) — Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests
BS EN 61000-4-13	Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity tests
BS EN 61000-4-34	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
BS EN 61000-6-1	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial, and light-industrial environments
BS EN 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments (include in situ test)
BS EN 61000-6-3	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
BS EN 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (include in situ test)
BS EN 61326-1	Electrical equipment for measurement, control and laboratory use – EMC requirements –Part 1: General requirements
BS EN 61326-2-1	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications
BS EN 61326-2-2	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations,

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	operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems
BS EN 61326-2-6	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment
BS EN 61800-3	Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods
BS EN 62040-2	Uninterruptible power systems (UPS) —Part 2: Electromagnetic compatibility (EMC) requirements
BS EN 62920	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment
CISPR 11	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (include in situ test)
CISPR 14-1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission
CISPR 14-2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus –Part 2: Immunity – Product family standard
CISPR 32	Electromagnetic compatibility of multimedia equipment - Emission Requirements
CISPR 35	Electromagnetic compatibility of multimedia equipment - Immunity requirements
CNS 15936	Electromagnetic compatibility of multimedia equipment - Emission Requirements
EN 55011	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (include in situ test)
EN 55014-1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission
EN 55014-2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus –Part 2: Immunity – Product family standard
EN 55032	Electromagnetic compatibility of multimedia equipment - Emission Requirements
EN 55035	Electromagnetic compatibility of multimedia equipment - Immunity requirements
EN 60601-1-2	Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance — Collateral Standard: Electromagnetic disturbances — Requirements and tests
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3	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



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EN 61000-3-11	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
EN 61000-3-12	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
EN 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques — Electrostatic discharge immunity test
EN 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test
EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test
EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques — Surge immunity test BS
EN 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques — Immunity to conducted disturbances, induced by radio-frequency fields
EN 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
EN 61000-4-11	Electromagnetic compatibility (EMC) — Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests
EN 61000-4-13	Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity tests
EN 61000-4-34	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
EN 61000-6-1	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial, and light-industrial environments
EN 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments (include in situ test)
EN 61000-6-3	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
EN 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (include in situ test)
EN 61326-1	Electrical equipment for measurement, control and laboratory use – EMC requirements –Part 1: General requirements
EN 61326-2-1	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

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EN 61326-2-2	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems
EN 61326-2-6	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment
EN 61800-3	Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods
EN 62040-2	Uninterruptible power systems (UPS) —Part 2: Electromagnetic compatibility (EMC) requirements
EN 62920	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment
ETSI EN 301489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU
ETSI EN 301489-3	ElectroMagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz
ETSI EN 301489-17	ElectroMagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems
FCC 47 CFR Part 15	Subpart B— Unintentional Radiators
FCC 47 CFR Part 18	PART 18— INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT (FCC MP-5: Radio noise emissions from ISM equipment)
ICES-001	Industrial, Scientific and Medical (ISM) Radio Frequency Generators
ICES-003	Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement
IEC 60601-1-2	Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance — Collateral Standard: Electromagnetic disturbances — Requirements and tests
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IEC 61000-3-11	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



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IEC 61326-2-2	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems



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IEC 62920	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment
SEMI E33	Guide for semiconductor manufacturing equipment electromagnetic compatibility (EMC)
SEMI F47	Specification for semiconductor processing equipment voltage sag immunity
SAFETY TESTING	
BS EN 61683	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency
BS EN 62109-1	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
BS EN 62109-2	Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters
EN 61683	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency
EN 62109-1	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
EN 62109-2	Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters
IEC 61683	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency
IEC 62109-1	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
IEC 62109-2	Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters
SEMI S23	Guide for conservation of energy, utilities and materials used by semiconductor manufacturing equipment

