



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 October 4, 2024



*International Accreditation Service*  
Issued under the authority of IAS management

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# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## SERTC TESTING CENTER CO., LTD.

**Contact Name** Chung Lun Chiang

**Contact Phone** +886-989442580

*Accredited to ISO/IEC 17025:2017*

*Effective Date October 4, 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 $\leq 16$ 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 $\leq 16$ 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 $\leq 75$ 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 $\leq 75$ 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 $\leq 75$ 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 $\leq 75$ 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 $\leq 75$ 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 $\leq 75$ 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
IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
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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
<b>SAFETY TESTING</b>	
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 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 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

