

Certificate No.: **LS250024GCC-0**

Date of issue: 2025-04-07

Valid until: Indefinitely

Applicant: **Wuxi Solinteg Power Co., Ltd.**
Building H1-1001, No. 6 Jingxian Road, Xinwu District, 214135 Wuxi, Jiangsu Province, China

Product: Hybrid Inverter

Model(s): **M2HT-25K-150, M2HT-29.9K-150, M2HT-30K-150, M2HT-40K-150**
M2HT-50K-150

Trademark: **SOLINTEG**

Technical data: Rated active output power [kW]: 25 ~ 50
Rated output AC voltage [V]: 230 / 400 (3L + N + PE, 50 Hz)
(For further details see A.2 on p.2.)

Applied standard(s) / guideline(s): **EN 55011:2016+A2:2021 (CISPR 11:2015 + AMD2:2019)**
Industrial, scientific and medical equipment. Radio-frequency disturbance characteristics. Limits and methods of measurement
EN IEC 61000-6-1:2019, IEC 61000-6-1:2016
Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity standard for residential, commercial and light-industrial environments
EN IEC 61000-6-2:2019, IEC 61000-6-2:2016
Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments
EN IEC 61000-6-3:2021, IEC 61000-6-3:2020
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – mission standard for equipment in residential environments
EN IEC 61000-6-4:2019, IEC 61000-6-4:2018
Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments
EN IEC 61000-3-2:2019 + A1:2021, IEC 61000-3-2:2018+AMD1:2020
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤16 A per phase)
EN 61000-3-12:2011, IEC 61000-3-12:2011 + AMD1:2021
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 61000-3-3:2013 + A2:2021, IEC 61000-3-3:2013 + AMD2:2021
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
EN IEC 61000-3-11: 2019, 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

Certification scheme: **CMPD-01**

Test report no.: **2410140199-RE-EU-01 (2025-02-26)**

This certificate confirms that the above-mentioned product(s) meet the requirements of the referenced standard(s) / guideline(s) at the time of issuance of the certificate.

This certificate relates to type testing and does not imply LYNS's endorsement, approval, certification or on-going control of the product(s), either in terms of performance, design, manufacture or materials used. This certificate and the results stated herein relate solely to the sample product(s) tested and to the specific tests undertaken.

The certificate will remain valid for the stated period providing no changes are made to the product, production method etc. This certificate is only valid when this is also found at <http://www.lyns-tci.com/en/certificate-search> or contact Lyns-tci Technology Guangdong Co., Ltd.

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The certificate is comprised of 2 pages (including Annex of 1 page(s)).

Dongguan, 2025-04-07

Dipl.-Ing. Weizhao Zheng
Head of certification body

Certification body Lyns-tci Technology Guangdong Co., Ltd. accredited according to ISO/IEC 17065 for product certification.

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A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
Rev. 0	2025-04-07	Initial issue	Active

A.2 Technical data of the power generating unit(s)

Product family	M2HT-{25-50}K-150				
Model	M2HT-25K-150	M2HT-29.9K-150	M2HT-30K-150	M2HT-40K-150	M2HT-50K-150
DC input (PV)					
Max. DC input voltage [V]	1000				
Operating MPPT voltage range [V]	200 ~ 950				
Max. input DC current	40 A * 4				
Battery side					
Battery voltage range (V)	150-840				
Max. charging/discharge current (A)	150				
AC connection					
No. of phases	<input type="checkbox"/> Single-phase <input checked="" type="checkbox"/> Three-phase				
Rated output AC voltage [V]	230 / 400 (3L + N + PE, 50 Hz)				
Max. output AC current [A]	36.2	43.3	43.5	58.0	72.5
Rated active output power [kW]	25	29.9	30	40	50
Max. apparent output power [kVA]	25	29.9	30	40	50
Operating temperature range					
-30°C ~ +60°C					
Degree of protection					
IP66 (according to EN 60529)					
Protection class					
I (according to IEC 62109-1)					
Over voltage category					
AC: III; DC: II (according to IEC 62109-1)					
Topology					
No galvanic isolation					
Manufacturing factory					
Wuxi Solinteg Power Co., Ltd. Building H1-1001, No. 6 Jingxian Road, Xinwu District, 214135 Wuxi, Jiangsu Province, China					

A.3 Remarks for type testing

Testing laboratory	Hwa-Hsing (Dongguan) Testing Co., Ltd. No. 101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang Town, Dongguan City, People's Republic of China (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.01)
Testing location	Same as above
Measurement period	2024-12-27 ~ 2025-01-07