

Certificate No.: **LS250009GCC-0**

Date of issue: 2025-01-27

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 (PV + DC coupled storage)
Model(s):	M2HS-3K-30, M2HS-3.6K-30, M2HS-4.2K-30, M2HS-4.6K-30, M2HS-5K-30, M2HS-6K-30
Trademark:	SOLINTEG
Technical data:	Rated active output power [kW]: 3.0 ~ 6.0 Rated output AC voltage [V]: 230 (L + N + PE, 50/60 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.:	2410170399-RE-EU-01 (2025-01-03)

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..

This certificate is for the exclusive use of LYNS's Client and is provided pursuant to the agreement between LYNS and its Client. LYNS's responsibility and liability are limited to the terms and conditions of the agreement. LYNS assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned using this verification.

The certificate is comprised of 3 pages (including Annex of 2 pages).

Dongguan, 2025-01-27

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	2023-12-14	Initial issue	Active

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

Product family	M2HS-{3 ~ 6}K-30		
Model	M2HS-3K-30	M2HS-3.6K-30	M2HS-4.2K-30
DC input (PV)			
Max. DC input voltage [V]	580		
Operating MPPT voltage range [V]	70 ~ 550		
Max. input DC current [A]	20	20 / 20	
Max. DC short-circuit current [A]	25	25 / 25	
Battery connection			
Battery voltage range [V]	80 ~ 450		
Battery charging current [A]	max. 30		
Battery discharging current [A]	max. 30		
Battery type	LiFePo4		
AC connection			
No. of phases	<input checked="" type="checkbox"/> Single-phase <input type="checkbox"/> Three-phase		
Rated output AC voltage [V]	230 (L + N + PE, 50/60 Hz)		
Max. output AC current [A]	13.6	16.4	19.1
Rated active output power [kW]	3.0	3.6	4.2
Max. apparent output power [kVA]	3.0	3.6	4.2
Max. input AC current [A]	27.3	32.7	38.2
Max. apparent input power [kVA]	6.0	7.2	8.4
Off-grid operation mode			
Rated output AC voltage [V]	230 (L + N + PE, 50/60 Hz)		
Rated output AC current [A]	13.0	15.7	18.3
Rated active output power [kW]	3.0	3.6	4.2
Model	M2HS-4.6K-30	M2HS-5K-30	M2HS-6K-30
DC input (PV)			
Max. DC input voltage [V]	580		
Operating MPPT voltage range [V]	70 ~ 550		
Max. input DC current [A]	20 / 20		
Max. DC short-circuit current [A]	25 / 25		
Battery connection			
Battery voltage range [V]	80 ~ 450		
Battery charging current [A]	max. 30		
Battery discharging current [A]	max. 30		
Battery type	LiFePo4		
AC connection			
No. of phases	<input checked="" type="checkbox"/> Single-phase <input type="checkbox"/> Three-phase		
Rated output AC voltage [V]	230 (L + N + PE, 50/60 Hz)		
Max. output AC current [A]	20.9	22.7	27.3
Rated active output power [kW]	4.6	5.0	6.0

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Max. apparent output power [kVA]	4.6	5.0	6.0
Max. input AC current [A]	41.8	45.5	45.5
Max. active input power [kW]	9.2	10.0	10.0
Off-grid operation mode			
Rated output AC voltage [V]	230 (L + N + PE, 50/60 Hz)		
Rated output AC current [A]	20.0	21.7	26.1
Rated active output power [kW]	4.6	5.0	6.0
Operating temperature range			
-30°C ~ +60°C			
Degree of protection			
IP65 (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			
Manufacturer			
Wuxi Solinteg Power Co., Ltd. No. 2 Xingchuang 1st Road, Xinwu District, 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	2024-11-29 ~ 2024-12-31