

CERTIFICATE OF CONFORMITY

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.)
Software version:	V1.00
Applied standard(s) / guideline(s):	IEC 60068-2-1:2007 * Environmental testing – Part 2-1: Tests – Test A: Cold IEC 60068-2-2:2007 * Environmental testing – Part 2-2: Tests – Test B: Dry heat IEC 60068-2-14:2023 * Environmental testing – Part 2-14: Tests – Test N: Change of temperature IEC 60068-2-30:2005 * Environmental testing – Part 2-30: Tests –Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle) IEC 60068-2-64:2008 * Environmental testing – Part 2-64: Tests –Test Fh: Vibration, broadband random and guidance IEC 61683:1999 Photovoltaic systems – Power conditioners – Procedure for measuring efficiency IEC 61727:2004 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Utility-interconnected photovoltaic inverters – Test procedure of islanding prevention measures Note: * The marked standards are not within the accreditation scope of the certification body.
Certification scheme:	CMPD-01
Test report no.:	HC2410140199GC01 (2025-01-21) HC2410140199GC02 (2025-01-21) HC2410140199GC03-R1 (2025-02-07) VTL24.12.033E (2024-12-30)

This certificate confirms that the above-mentioned product(s) with the corresponding software 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 Lysn-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, 2025-02-07

Dipl.-Ing. Weizhao Zheng
Head of certification body



Certification body Lysn-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	2025-02-07	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			
Firmware version			
V1.00			
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 1	Lyns-tci Technology Guangdong Co., Ltd. Room 1201, Unit 2, Building 18, No. 7, Science and Technology Boulevard, Houjie Town, Dongguan City, Guangdong, 523960 P.R.C (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)
Testing location 1	Same as above
Measurement period	2024-10-16 ~ 2024-11-26
Testing laboratory 2	Jiangsu Vehicle Testing Services Co., Ltd. Building 6, No.278, Huajin Road, Tongan, SND, Suzhou, Jiangsu, China (Accredited acc. ISO/IEC 17025: CNAS Accreditation no. L12681)
Testing location 2	Same as above
Measurement period	2024-12-12 ~ 2024-12-19