LYNS-TCi

CERTIFICATE OF CONFORMITY

Certificate No.: **LS250099GCC-0**

Date of issue: 2025-08-21

Valid until: Indefinitely

Applicant:	**IMEON ENERGY** 6 RUE DE KERBERNARD 29200 BREST FRANCE
Device Type	Hybrid inverter (PV + DC coupled storage): **NEO {3.0~6.0} SH** Storage inverter: **NEO {3.6~6.0} SR**
Model(s):	NEO {3.0~6.0} SH: **NEO 3.0 SH**, **NEO 3.6 SH**, **NEO 4.0 SH**, **NEO 4.6 SH**, **NEO 5.0 SH**, **NEO 6.0 SH;** NEO {3.6~6.0} SR: **NEO 3.6 SR, NEO 4.6 SR, NEO 6.0 SR**
Trademark:	IMEON ENERGY
Technical data	Nominal active output power [W]: 3000 ~ 6000 Nominal output AC voltage [V]: 230V (L + N + PE, 50 Hz) (For further details see *A.2 Technical data of the power generating unit(s)* on p.2)
Software version	DSP1 V1.13; DSP2 V1.00
Applied standard(s) / guideline(s):	**EN 50549-1:2019 + A1:2023** Requirements for generating plants to be connected in parallel with distribution networks - Part 1-1: Connection to a LV distribution network - Generating plants up to and including Type B
Certification scheme	**CMPD-01**
Test report no.	**HC24042503001-EG-EU-001** (2025-08-19)

The above-mentioned generating unit(s) are certified for type A generating modules.

This certificate confirms that the above-mentioned generating unit(s) with corresponding software meet the requirements of the referenced standard(s) / guideline(s) at the time of issuance of the certificate.

The generating units are considered to be compliant with the relevant articles (see Annex H, EN 50549-1:2019) of *Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators* (NC RfG), provided that all settings as specified by the DSO and responsible party are complied with.

Further information on the assessment, including its scope and conditions, can be found in annex A.4 on p.4.

The certificate is comprised of 4 pages (including Annex of 3 pages).

Dongguan, 2025-08-21

Digitally signed by Weizhao Zheng
Date: 2025.08.21 13:12:38 +08'00'

Dipl.-Ing. Weizhao Zheng
Head of certification body

IAS ACCREDITED Product Certification Agency PCA-159

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

Lyns-tci Technology Guangdong Co., Ltd.
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Release No.: 1.1 (2023)

Annex to the Certificate No.: **LS250099GCC-0**

A.1 Revision history of the certificate

Rev. No.	Date	Changes
Rev. 0	2025-08-21	Initial issue

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

Product family	**NEO {3.0~6.0} SH/NEO {3.6~6.0} SR**

Model	**NEO 3.0 SH**	**NEO 3.6 SH** **NEO 3.6 SR** [1]	**NEO 4.0 SH**
DC input (PV)			
Max. DC input voltage [V]	600		
Operating MPPT voltage range [V]	100 ~ 570		
Max. DC input current [A]	18 / 18		
Max. DC short circuit current [A]	22 / 22		
DC input (Battery)			
Battery voltage range [V]	90 ~ 430		
Nominal DC Voltage [V]	320		
Battery charging / discharging current [A]	max. 25 / 25		
AC input			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. intput AC current [A]	22.7	22.7	26.0
AC output			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. output AC current [A]	13.0	15.7	17.4
Nominal active output power [W]	3000	3600	4000
Max. apparent output power [VA]	3300	3960	4400
Backup / EPS			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal output AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. output AC current [A]	13.0	15.7	17.4
Nominal active output power [W]	3000	3600	4000

Model	**NEO 4.6 SH** **NEO 4.6 SR** [1]	**NEO 5.0 SH**	**NEO 6.0 SH** **NEO 6.0 SR** [1]
DC input (PV)			
Max. DC input voltage [V]	600		
Operating MPPT voltage range [V]	100 ~ 570		
Max. DC input current [A]	18 / 18		
Max. DC short circuit current [A]	22 / 22		

[1] The models NEO 3.6 SR, NEO 4.6 SR and NEO 6.0 SR are Storage inverter , only have battery input parameter, no PV input parameter.

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DC input (Battery)			
Battery voltage range [V]	90 ~ 430		
Nominal DC Voltage [V]	320		
Battery charging / discharging current [A]	max. 25 / 25		
AC input			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. intput AC current [A]	26.0	32.6	32.6
AC output			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. output AC current [A]	20.0	21.8	26.0
Nominal active output power [W]	4600	5000	6000
Max. apparent output power [VA]	5060	5500	6600
Backup / EPS			
No. of phases	☒ Single-phase	☐ Three-phase	
Nominal output AC voltage [V]	230V (L + N + PE, 50 Hz)		
Max. output AC current [A]	20.0	21.8	26.0
Nominal active output power [W]	4600	5000	6000

Operating temperature range	-20°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	DSP1 V1.13; DSP2 V1.00

Manufacturer	**IMEON ENERGY** 6 RUE DE KERBERNARD 29200 BREST FRANCE

A.3 Remarks for type testing

Testing laboratory	**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	Same as above
Measurement period	2024-04-25 ~ 2025-06-26

A.4 Conformity assessment

Based on the test results submitted, this certificate provides the following conformity assessment according to the specifications listed on the cover sheet:

Electrical characteristics		Type testing performed	Assessment
4.4	Normal operating range	☒	Compliant
4.5	Immunity to disturbances	☒	Compliant
4.6	Active response to frequency deviation	☒	Compliant
4.7	Power response to voltage variations and voltage changes	☒	Compliant
4.8	EMC and power quality	☒	Compliant
4.9	Interface protection	☒	Compliant
4.10	Connection and starting to generate electrical power	☒	Compliant
4.11	Ceasing and reduction of active power on set point	☒	Compliant
4.12	Remote information exchange	☐	Not applicable
4.13	Requirements regarding single fault tolerance of interface protection system and interface switch	☒	Compliant