LYNS-TCi

CERTIFICATE OF CONFORMITY

Certificate No.: **LS250129GCC-0**
Date of issue: 2025-11-27
Valid until: Indefinitely

Applicant:	**Shenzhen Sinexcel Isuna Energy Technology Co., Ltd.** Room 301, Building 6, BaiWangXin High-tech Industrial Park, Nanshan District, Shenzhen City, China
Product:	Hybrid Inverter
Model(s):	**Isuna L{22~50}K-TH-S:** Isuna L22K-TH-S, Isuna L25K-TH-S, Isuna L29.9K-TH-S, Isuna L30K-TH-S, Isuna L40K-TH-S, Isuna L42.5K-TH-S, Isuna L50K-TH-S **Isuna L{22~50}K-TH:** Isuna L22K-TH, Isuna L25K-TH, Isuna L29.9K-TH, Isuna L30K-TH, Isuna L40K-TH, Isuna L42.5K-TH, Isuna L50K-TH **Isuna L{22~50}K-TH-S-AU:** Isuna L22K-TH-S-AU, Isuna L25K-TH-S-AU, Isuna L29.9K-TH-S-AU, Isuna L30K-TH-S-AU, Isuna L40K-TH-S-AU, Isuna L42.5K-TH-S-AU, Isuna L50K-TH-S-AU **Isuna L{22~50}K-TH-AU:** Isuna L22K-TH-AU, Isuna L25K-TH-AU, Isuna L29.9K-TH-AU, Isuna L30K-TH-AU, Isuna L40K-TH-AU, Isuna L42.5K-TH-AU, Isuna L50K-TH-AU
Trademark:	isuna
Technical data:	Nominal active output power [kW]: 22 ~ 50 Nominal output AC voltage [V]: 220 / 380V, 230 / 400V (3L + N + PE, 50 / 60 Hz) (For further details see *A.2* on p.2)
Software version:	V100
Applied standard(s) / guideline(s):	**IEC 61727:2004** Photovoltaic (PV) systems - Characteristics of the utility interface **IEC 62116:2014** Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures
Certification scheme:	**CMPD-01** (Type 1a Certification in accordance with ISO/IEC 17067)
Test report no.:	**LS2A25101102EGIC04** (2025-11-14) **LS2A25101102EGIC08** (2025-11-14)

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.

This certificate is issued as a **Type 1a Certification in accordance with ISO/IEC 17067**. It is based solely on type testing of the identified sample product(s) and the specific tests undertaken. It does not extend to production or ongoing manufacturing.

No certification mark is authorized for this certification scheme. No factory surveillance or follow-up is performed. This certificate becomes **void** if any modification is made to the certified product, its installation, erection, or commissioning that may affect compliance with the evaluated requirements.

This certificate does not imply LYNS's endorsement, approval, certification, or ongoing control of the product(s), either in terms of performance, design, manufacture, or materials used. The 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 provided that no changes are made to the product, production method, or relevant certification scheme. This certificate is only valid when it is also found at http://www.lyns-tci.com/en/certificate-search or by contacting 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 the Client, in accordance with the agreement, for any loss, expense, or damage occasioned by the use of this certification.

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

Dongguan, 2025-11-27

IAS ACCREDITED Product Certification Agency PCA-159

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.

Release No.: 1.2 (2025)

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Annex to the Certificate No.: **LS250129GCC-0**

A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
0	2025-11-27	Initial issue	Active

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

Product family	Isuna L{22~50}K-TH-S / Isuna L{22~50}K-TH Isuna L{22~50}K-TH-S-AU / Isuna L{22~50}K-TH-AU

Model	**Isuna L22K-TH-S Isuna L22K-TH Isuna L22K-TH-S-AU Isuna L22K-TH-AU**	**Isuna L25K-TH-S Isuna L25K-TH Isuna L25K-TH-S-AU Isuna L25K-TH-AU**	**Isuna L29.9K-TH-S Isuna L29.9K-TH Isuna L29.9K-TH-S-AU Isuna L29.9K-TH-AU**
DC input (PV)			
Max. DC input voltage [V]	1000		
Operating MPPT voltage range [V]	150 ~ 850		
Max. input DC current [A]	4 * 40		
DC input (Battery)			
Voltage Range [V]	140 ~ 800		
Max. charging current [A]	2 * 80		
Max. discharging current [A]	2 * 80		
AC Grid			
No. of phases	☐ Single-phase ☒ Three-phase		
Nominal AC voltage [V]	220 / 380V, 230 / 400V (3L + N + PE, 50 / 60 Hz)		
Max. output current [A]	36.7 / 35.1	41.7 / 39.9	45.3 / 43.5
Nominal active output power [kW]	22	25	29.9
Max. apparent output power [kVA]	24.2	27.5	29.9
Max. Input Current [A]	150		

Model	**Isuna L30K-TH-S Isuna L30K-TH Isuna L30K-TH-S-AU Isuna L30K-TH-AU**	**Isuna L40K-TH-S Isuna L40K-TH Isuna L40K-TH-S-AU Isuna L40K-TH-AU**	**Isuna L42.5K-TH-S Isuna L42.5K-TH Isuna L42.5K-TH-S-AU Isuna L42.5K-TH-AU**	**Isuna L50K-TH-S Isuna L50K-TH Isuna L50K-TH-S-AU Isuna L50K-TH-AU**
DC input (PV)				
Max. DC input voltage [V]	1000			
Operating MPPT voltage range [V]	150 ~ 850			
Max. input DC current [A]	4 * 40			
DC input (Battery)				
Voltage Range [V]	140 ~ 800			
Max. charging current [A]	2 * 80			
Max. discharging current [A]	2 * 80			
AC Output				
No. of phases	☐ Single-phase ☒ Three-phase			
Nominal AC voltage [V]	220 / 380V, 230 / 400V (3L + N + PE, 50 / 60 Hz)			
Max. output AC current [A]	50 / 47.9	66.7 / 63.8	64.4 / 61.6	83.3 / 79.8
Nominal active output power [kW]	30	40	42.5	50
Max. apparent output power [kVA]	33	44	42.5	55
Max. Input Current [A]	150			

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Operating temperature range	-25°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

Firmware version	V100

Manufacturing facility 1	**Suzhou Sinexcel Technology Co., Ltd.** 1818, Songlu Road, Wuzhong District, Suzhou City, Jiangsu Province, P.R. China
Manufacturing facility 2	**Huizhou Sinexcel Electric Co., Ltd.** No.31, Huifeng West 2nd Road, Zhongkai Hi-tech District, Huizhou City, China

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	2025-10-14 - 2025-10-24 & 2025-10-14 - 2025-11-12