LYNS-TCi

CERTIFICATE OF CONFORMITY

Certificate No.: **LS260268GCC-0**

Date of issue: 2026-09-29

Valid until: Indefinitely

Applicant:	**Guangzhou Felicity Solar Technology Co., Ltd.** (Airport Baiyun) No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, Guangdong, P. R. China
Product:	Hybrid inverter (PV + DC coupled electrical energy storage)
Type of energy source	PV / battery storage
Type of embedded Generation	☐ Grid-tied SSEG ☒ Grid-tied hybrid SSEG ☐ Grid-tied battery only ☐ Solar PV geyser SSEG
RPP Category	☒ Category A1: 0 - 13.8 kVA ☒ Category A2: 13.8 - 100 kVA ☐ Category A3: 100 kVA - 1 MVA ☐ Category B: 1 MVA - 20 MVA ☐ Category C: 20 MVA or higher
Model	**IVGM12KLP1G1 IVGM14KLP1G1 IVGM16KLP1G1**
Trademark:	felicitysolar®
Technical data:	Max. apparent output power [kVA]: 13.2 - 17.6 Rated output AC voltage [V]: 230 (L + N + PE, 50 Hz) (For further details see A.2 on p.2.)
Firmware version:	1204
Grid connection code:	**NRS 097-2-1:2024,** Edition 3 GRID INTERCONNECTION OF EMBEDDED GENERATION PART 2: SMALL-SCALE EMBEDDED GENERATION SECTION 1: UTILITY INTERFACE
Certification scheme:	**CMPD-01** (Type 1a Certification in accordance with ISO/IEC 17067)
Test report no.:	**LS2A26071602EGZA01** (2026-09-22)

This certificate confirms compliance of the listed inverter types and firmware with the applicable unit-level requirements of the grid connection code stated above, within the scope and conditions in Annex *A.3 Remarks for type testing*. Compliance of a complete installation and approval for grid connection require separate assessment.

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, 2026-09-29

Digitally signed by Weizhao Zheng
Date: 2026.09.29 14:44:47 +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.

This document shall not be reproduced, except in full, without the written approval of Lyns-tci Technology Guangdong Co., Ltd.

Lyns-tci Technology Guangdong Co., Ltd.
Address: Room 1201, Unit 2, Building 18, No. 7, Science and Technology Boulevard, Houjie Town, Dongguan City, Guangdong, 523960 P.R.C
Tel: +86 769 85598986 E-Mail: cb@lyns-tci.com Web: www.lyns-tci.com

Release No.: 1.2 (2025)

Annex to the Certificate No.: **LS260268GCC-0**

A.1 Revision history of the certificate

Rev. No.	Date	Changes
0	2026-09-29	Initial issue

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

Model	IVGM12KLP1G1	IVGM14KLP1G1	IVGM16KLP1G1
DC input (PV)			
Max. DC input voltage [V]	500		
MPPT voltage range [V]	150 - 425		
Max. input DC current [A]	26 / 26 / 26		
Max. DC short-circuit current [A]	44 / 44 / 44		
Battery connection			
Voltage range [V]	40 - 60		
Battery charging current [A]	max. 220	max. 250	max. 290
Battery discharging current [A]	max. 220	max. 250	max. 290
Battery type	Lead-acid or Lithium-ion		
AC connection			
No. of phases	☒ Single-phase ☐ Three-phase		
Rated output AC voltage [V]	230 (L + N + PE, 50 Hz)		
Max. output AC current [A]	57.4	67.0	76.6
Rated active output power [kW]	12.0	14.0	16.0
Max. apparent output power [kVA]	13.2	15.4	17.6

Operating temperature range	-25°C - 60°C (>45°C derating)
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	1204

Manufacturer	**Guangzhou Felicity Solar Technology Co., Ltd.** (Airport Baiyun) No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, Guangdong, P. R. China

A.3 Remarks for type testing

Applied test specification and standard	NRS 097-2-1:2024, Edition 3 IEC 61727 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures Grid Connection Code for Renewable Power Plants (RPPs) Connected to the Transmission System (TS) or the Distribution System (DS) in South Africa (applicable unit-level requirements assessed in the referenced test report).

Annex to the Certificate No.: **LS260268GCC-0**

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. China (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)
Testing location	Same as above
Measurement period	2026-07-20 ~ 2026-08-31
Conditions of applicability	Grid connection is subject to approval by the relevant utility and compliance with applicable installation requirements and the manufacturer's installation instructions. The ratings in A.2 describe the inverter capability. Permissible connection capacity and phase allocation are subject to the relevant utility requirements and the connection conditions in Test Report LS2A26071602EGZA01. For connection to a two- or three-phase supply at the point of connection, the difference in installed capacity between phases shall not exceed 4.6 kVA. This certificate does not constitute approval of a specific installation. The RPP category of a complete installation is determined by its aggregate installed capacity.

Additional test reports	**EMC test report acc.:** • EN IEC 61000-6-1:2019 • EN IEC 61000-6-2:2019 • EN IEC 61000-6-3:2021 • EN IEC 61000-6-4:2019 • NRS 097-2-1:2024, Edition 3.0 (clause 4.9) No.: SZNTC2607094EV01, Date of issue: 2026-09-09 Issued by *Shenzhen Nore Testing Center Co., Ltd.* (Accredited acc. ISO/IEC 17025: CNAS Accreditation no. L11038) The assessment of NRS 097-2-1:2024 clause 4.9 is outside the laboratory's CNAS accreditation scope.
	Safety test report acc.: • IEC/EN 62109-1:2010, IEC/EN 62109-2:2011 No.: SZNTC2607095SV01, Date of issue: 2026-09-11 Issued by *Shenzhen Nore Testing Center Co., Ltd.* (Accredited acc. ISO/IEC 17025: CNAS Accreditation no. L11038)