

Certificate No.: **LS260244GCC-0**

Date of issue: 2026-09-10

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			
Model(s):	IVGM10KLP3G1	IVGM12KLP3G1	IVGM14KLP3G1	IVGM15KLP3G1
	IVGM16KLP3G1	IVGM18KLP3G1	IVGM20KLP3G1	
Trademark:				
Technical data:	Nominal active output power [kW]: 10 ~ 20 Nominal output AC voltage [V]: 220/380V, 230/400V (3L + N + PE, 50 Hz) (For further details see A.2 on p.2)			
Software version:	100			
Applied standard(s) / guideline(s):	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			
Certification scheme:	CMPD-01 (Type 1a Certification in accordance with ISO/IEC 17067)			
Test report no.:	LS2A26062321EGIC01 (2026-09-02) LS2A26062321EGIC02 (2026-09-02) LS2A26062321EGIC03 (2026-09-02)			

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 2 pages (including Annex of 1 pages).

Dongguan, 2026-09-10

Digitally signed by
Weizhao Zheng
Date: 2026.09.10
14:37:55 +08'00'

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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Lyns-tci Technology Guangdong Co., Ltd.

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A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
0	2026-09-10	Initial issue	Active

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

Model	IVGM10KLP3G1	IVGM12KLP3G1	IVGM14KLP3G1	IVGM15KLP3G1
DC input (PV)				
Max. DC input voltage [V]	800			
Operating MPPT voltage range [V]	160 ~ 650			
Max. input DC current [A]	26 + 26		36 + 36	
DC input (Battery)				
Voltage Range [V]	40 ~ 60			
Max. charging current [A]	210	240	260	280
Max. discharging current [A]	210	240	260	280
AC Grid				
No. of phases	☐ Single-phase ☒ Three-phase			
Nominal AC voltage [V]	220/380V, 230/400V (3L + N + PE, 50Hz)			
Max. output current [A]	16.7 / 16	20 / 19.2	23.4 / 22.4	25 / 24
Nominal active output power [kW]	10	12	14	15
Max. apparent output power [kVA]	11	13.2	15.4	16.5

Model	IVGM16KLP3G1	IVGM18KLP3G1	IVGM20KLP3G1
DC input (PV)			
Max. DC input voltage [V]	800		
Operating MPPT voltage range [V]	160 ~ 650		
Max. input DC current [A]	36 + 36		
DC input (Battery)			
Voltage Range [V]	40 ~ 60		
Max. charging current [A]	300	330	350
Max. discharging current [A]	300	330	350
AC Grid			
No. of phases	☐ Single-phase ☒ Three-phase		
Nominal AC voltage [V]	220/380V, 230/400V (3L + N + PE, 50Hz)		
Max. output current [A]	26.7 / 25.6	30 / 28.7	33.4 / 31.9
Nominal active output power [kW]	16	18	20
Max. apparent output power [kVA]	17.6	19.8	22

Operating temperature range	-40°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	100

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
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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	2026-07-09 to 2026-08-20