CERTIFICATE OF CONFORMITY

Issued to:	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, China
For the product:	Hybrid Inverter
Trade name:	Felicitysolar®
Type/Model:	IVGM3KLP1G2-24, IVGM3KLP1G2, IVGM3K6LP1G2, IVGM4K6LP1G2, IVGM5KLP1G2, IVGM6KLP1G2
Ratings:	See annex
Manufactured by:	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, China
Factory:	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, China
Requirements:	PGC:2016

Type of product certification scheme: Type 1a (Type approval)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4957993.50.

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 26 June 2031 or expires upon withdrawal of one of the above-mentioned standards.

Shanghai, 26 June 2026 Number: 4957993.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Rosa Zhou
Certification Manager

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Annex to 4957993.01COC

Ratings of the product:

Model		**IVGM3KLP1 G2-24**	**IVGM3KLP 1G2**	**IVGM3K6LP 1G2**	**IVGM4K6LP 1G2**
Battery	Battery type	Lead-acid or Lithium-ion			
	Battery Voltage Range [Vdc]	20-30	40-60		
	Rated Battery Voltage [Vdc]	24	48	48	48
	Max. charge/discharge current [Adc]	140	70	90	115
	Max. charge/discharge Power [W]	3000	3000	3600	4600
PV input	Max. PV input Voltage [Vdc]	500			
	Rated PV input Voltage [Vdc]	370			
	MPPT Voltage Range [Vdc]	150 - 425			
	Max. PV input current [Adc]	18		18+18	
	Isc current [Adc]	27		27+27	
	Max. PV input power [W]	4800	4800	5760	7360
AC terminal (On-grid)	Rated Voltage [Vac]	220/230V, L+N+PE			
	Rated Frequency [Hz]	50/60			
	Max. input current [Aac]	15.0/14.4	15.0/14.4	16.0/16.0	23.0/22.0
	Max. input Power [W]	3000	3000	3680	4600
	Rated output current [Aac]	13.7/13.1	13.7/13.1	16.0/16.0	20.9/20.0
	Max. output current [Aac]	15.0/14.4	15.0/14.4	16.0/16.0	23.0/22.0
	Rated output Power [W]	3000	3000	3680	4600
	Max. output Apparent power [VA]	3300	3300	3680	5060
	Power factor	0.8 leading to 0.8 lagging			
Off-grid	Rated output Voltage [Vac]	220/230V, L+N+PE			
	Rated Frequency [Hz]	50/60			
	Rated output current [Aac]	13.7/13.1	13.7/13.1	16.0/16.0	20.9/20.0
	Max. output current [Aac]	15.0/14.4	15.0/14.4	16.0/16.0	23.0/22.0
	Rated output Power [W]	3000	3000	3680	4600
	Max. output Apparent power [VA]	3300	3300	3680	5060
	Power factor	0.8 leading to 0.8 lagging			
General	Type of inverter	Non-isolated			
	Ingress Protection	IP65			
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)			

Annex to 4957993.01COC

Model		**IVGM5KLP1G2**	**IVGM6KLP1G2**
Battery	Battery type	Lead-acid or Lithium-ion	
	Battery Voltage Range [Vdc]	40 - 60	
	Rated Battery Voltage [Vdc]	48	
	Max. charge/discharge current [Adc]	120	135
	Max. charge/discharge Power [W]	5000	6000
PV input	Max. PV input Voltage [Vdc]	500	
	Rated PV input Voltage [Vdc]	370	
	MPPT Voltage Range [Vdc]	150 - 425	
	Max. PV input current [Adc]	18+18	
	Isc current [Adc]	27+27	
	Max. PV input power [W]	8000	9600
AC terminal (On-grid)	Rated Voltage [Vac]	220/230V, L+N+PE	
	Rated Frequency [Hz]	50/60	
	Max. input current [Aac]	25.0/24.0	30.0/28.7
	Max. input Power [W]	5000	6000
	Rated output current [Aac]	22.8/21.8	27.3/26.1
	Max. output current [Aac]	25.0/24.0	30.0/28.7
	Rated output Power [W]	5000	6000
	Max. output Apparent power [VA]	5500	6600
	Power factor	0.8 leading to 0.8 lagging	
Off-grid	Rated output Voltage [Vac]	220/230V, L+N+PE	
	Rated Frequency [Hz]	50/60	
	Rated output current [Aac]	22.8/21.8	27.3/26.1
	Max. output current [Aac]	25.0/24.0	30.0/28.7
	Rated output Power [W]	5000	6000
	Max. output Apparent power [VA]	5500	6600
	Power factor	0.8 leading to 0.8 lagging	
General	Type of inverter	Non-isolated	
	Ingress Protection	IP65	
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)	

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