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:	IVGM10KLP3G1, IVGM12KLP3G1, IVGM14KLP3G1, IVGM15KLP3G1, IVGM16KLP3G1, IVGM18KLP3G1, IVGM20KLP3G1
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
Requirements:	TOR Erzeuger Typ A V1.3:2024 OVE-Richtlinie R 25:2020

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4955588.50.

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 21 May 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 21 May 2026 Number: 4955588.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

PCA-141

Rosa Zhou
Certification Manager

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Model List and Ratings:						
Model		**IVGM 10KLP3G1**	**IVGM 12KLP3G1**	**IVGM 14KLP3G1**	**IVGM 15KLP3G1**	**IVGM 16KLP3G1**
Battery	Battery type	Li-ion/Lead-acid				
	Battery Voltage Range [Vdc]	40 - 60				
	Rated Battery Voltage [Vdc]	50	50	50	50	50
	Max. charge/discharge current [Adc]	210	240	260	280	300
	Max. charge/discharge Power [kW]	10	12	14	15	16
PV input	Max. PV input Voltage [Vdc]	800				
	Rated PV input Voltage [Vdc]	550				
	MPPT Voltage Range [Vdc]	160 - 650				
	Max. PV input current [Adc]	26*2		36*2		
	Isc current [Adc]	39*2		54*2		
	Max. PV input power [kW]	15.0	18.0	22.4	24.0	25.6
AC terminal (On-grid)	Rated AC Voltage [Vac]	220/380, 230/400V, 3L+N+PE				
	Rated Frequency [Hz]	50/60				
	Max. AC input current [Aac]	16.7/16	20/19.2	23.4/22.4	25.0/24.0	26.7/25.6
	Max. AC input Power [kW]	11.0	13.2	15.4	16.5	17.6
	Rated AC output current [Aac]	15.2/14.5	18.2/17.4	21.3/20.3	22.8/21.8	24.3/23.2
	Max. AC output current [Aac]	16.7/16.0	20.0/19.2	23.4/22.4	25.0/24.0	26.7/25.6
	Rated AC output Power [kW]	10.0	12.0	14.0	15.0	16.0
	Max. AC output Apparent power [kVA]	11.0	13.2	15.4	16.5	17.6
	Power factor	0.8 leading to 0.8 lagging				
EPS output	Rated AC output Voltage [Vac]	220/380, 230/400V, 3L+N+PE				
	Rated Frequency [Hz]	50/60				
	Rated AC output current [Aac]	15.2/14.5	18.2/17.4	21.3/20.3	22.8/21.8	24.3/23.2
	Max. AC output current [Aac]	16.7/16.0	20.0/19.2	23.4/22.4	25.0/24.0	26.7/25.6
	Rated AC output Power [kW]	10.0	12.0	14.0	15.0	16.0
	Max. AC output Apparent power [kVA]	11.0	13.2	15.4	16.5	17.6
	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)

Model List and Ratings:			
Model		**IVGM18KLP3G1**	**IVGM20KLP3G1**
Battery	Battery type	Li-ion/Lead-acid	
	Battery Voltage Range [Vdc]	40 - 60	
	Rated Battery Voltage [Vdc]	50	50
	Max. charge/discharge current [Adc]	330	350
	Max. charge/discharge Power [kW]	18	20
PV input	Max. PV input Voltage [Vdc]	800	
	Rated PV input Voltage [Vdc]	550	
	MPPT Voltage Range [Vdc]	160 - 650	
	Max. PV input current [Adc]	36*2	
	Isc current [Adc]	54*2	
	Max. PV input power [kW]	28.8	32.0
AC terminal (On-grid)	Rated AC Voltage [Vac]	220/380, 230/400V, 3L+N+PE	
	Rated Frequency [Hz]	50/60	
	Max. AC input current [Aac]	30.0/28.7	33.4/31.9
	Max. AC input Power [kW]	19.8	22.0
	Rated AC output current [Aac]	27.3/26.1	30.4/29.0
	Max. AC output current [Aac]	30.0/28.7	33.4/31.9
	Rated AC output Power [kW]	18.0	20.0
	Max. AC output Apparent power [kVA]	19.8	22.0
	Power factor	0.8 leading to 0.8 lagging	
EPS output	Rated AC output Voltage [Vac]	220/380, 230/400V, 3L+N+PE	
	Rated Frequency [Hz]	50/60	
	Rated AC output current [Aac]	27.3/26.1	30.4/29.0
	Max. AC output current [Aac]	30.0/28.7	33.4/31.9
	Rated AC output Power [kW]	18.0	20.0
	Max. AC output Apparent power [kVA]	19.8	22.0
	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)	

Firmware version: 100

Testing Laboratory:

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

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