

A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
0	2026-03-30	Initial issue	Active

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

Model(s)	IVGM5KLP1G1	IVGM6KLP1G1	IVGM7K6LP1G1	IVGM8KLP1G1
DC input (PV)				
Max. DC input voltage [V]	500			
Operating MPPT voltage range [V]	120 ~ 425			
Max. input DC current [A]	13 / 13	26 / 13	26 / 26	26 / 26
DC input (Battery)				
Voltage Range [V]	40 ~ 60			
Max. Charging / Discharging Current [A]	120 / 120	135 / 135	190 / 190	190 / 190
AC Output (On-Grid)				
No. of phases	<input checked="" type="checkbox"/> Single-phase		<input type="checkbox"/> Three-phase	
Nominal AC voltage [V]	230V (L + N + PE, 50Hz)			
Max. output current [A]	23.9	28.7	36	38.3
Nominal active output power [kW]	5	6	7.6	8
Max. apparent output power [kVA]	5.5	6.6	8.36	8.8
Load Output (Off-Grid)				
No. of phases	<input checked="" type="checkbox"/> Single-phase		<input type="checkbox"/> Three-phase	
Nominal voltage [V]	230V (L + N + PE, 50Hz)			
Max. output current [A]	40			
Nominal active output power [kW]	5	6	7.6	8
Max. apparent output power [kVA]	5.5	6.6	8.36	8.8
Operating temperature range	-25°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			
Topology	No galvanic isolation			
Firmware version	V100			
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

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	2026-03-03 – 2026-03-19
Testing laboratory	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province, 523942, People's Republic of China (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 2951.01)
Testing location	Same as above
Measurement period	2026-01-23 – 2026-01-26