CERTIFICATE

CERTIFICATE ◆ ZERTIFIKAT ◆ 認證證書 ◆ CERTIFICADO ◆ СЕРТИФИКАТ ◆ CERTIFICAT

Anbotek
Product Safety

CERTIFICATE

of Conformity
EU Council Directive 2014/30/EU
Electromagnetic Compatibility

Certificate No.	:	AT1811C501850126
Report No.	:	1811C50185012601
Applicant	:	Guangzhou Felicity Solar Technology Co., Ltd.
Address	:	No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou
Product Name	:	Hybrid Inverter
Date	:	2025-08-26
Model No.	:	IVGM50KHP3G2, IVGM40KHP3G2, IVGM30KHP3G2, IVGM29K9HP3G2, IVGM25KHP3G2
Trade Mark	:	Felicitysolar® Make life full of hope
Rating	:	See Page 2
Test Standards	:	EN IEC 61000-6-4: 2019 EN 61000-3-12:2011+A1:2019 EN IEC 61000-3-11:2019 EN IEC 61000-6-2: 2019

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex II of Council Directive 2014/30/EU, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity to Article 15 of the Directive.

Shenzhen Anbotek Compliance Laboratory Limited * Approved * Anbotek Product Safety

Certified by

Hugo Chen

Hugo chen

CE

The CE Marking may only be used if all relevant and effective EU Directives are complied with

CE

Shenzhen Anbotek Compliance Laboratory Limited
Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
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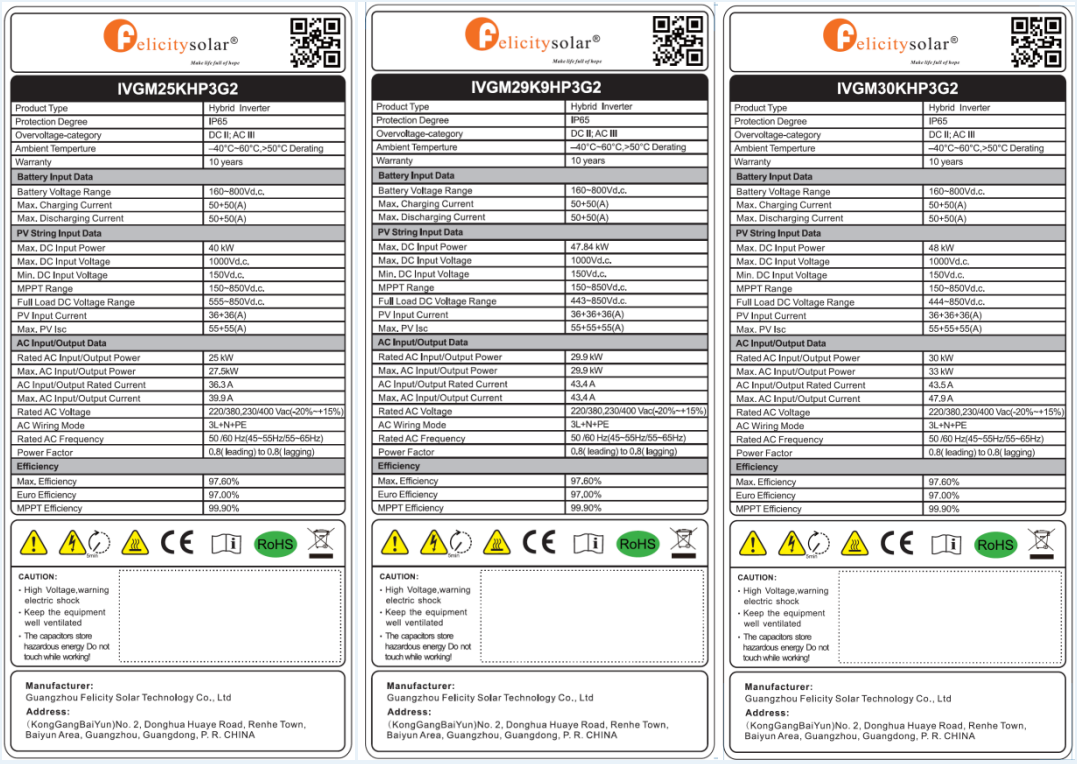
Attachment:

Rating:



IVGM25KHP3G2	
Product Type	Hybrid Inverter
Protection Degree	IP65
Overvoltage-category	DC II; AC III
Ambient Temperture	–40°C~60°C,>50°C Derating
Warranty	10 years
Battery Input Data	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50(A)
Max. Discharging Current	50+50(A)
PV String Input Data	
Max. DC Input Power	40 kW
Max. DC Input Voltage	1000Vd.c.
Min. DC Input Voltage	150Vd.c.
MPPT Range	150~850Vd.c.
Full Load DC Voltage Range	555~850Vd.c.
PV Input Current	36+36(A)
Max. PV Isc	55+55(A)
AC Input/Output Data	
Rated AC Input/Output Power	25 kW
Max. AC Input/Output Power	27.5kW
AC Input/Output Rated Current	36.3 A
Max. AC Input/Output Current	39.9 A
Rated AC Voltage	220/380,230/400 Vac(-20%~+15%)
AC Wiring Mode	3L+N+PE
Rated AC Frequency	50 /60 Hz(45~55Hz/55~65Hz)
Power Factor	0.8(leading) to 0.8(lagging)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

CAUTION:
- High Voltage,warning electric shock
- Keep the equipment well ventilated
- The capacitors store hazardous energy Do not touch while working!

Manufacturer:
Guangzhou Felicity Solar Technology Co., Ltd
Address:
(KongGangBaiYun)No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou, Guangdong, P. R. CHINA

IVGM29K9HP3G2	
Product Type	Hybrid Inverter
Protection Degree	IP65
Overvoltage-category	DC II; AC III
Ambient Temperture	–40°C~60°C,>50°C Derating
Warranty	10 years
Battery Input Data	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50(A)
Max. Discharging Current	50+50(A)
PV String Input Data	
Max. DC Input Power	47.84 kW
Max. DC Input Voltage	1000Vd.c.
Min. DC Input Voltage	150Vd.c.
MPPT Range	150~850Vd.c.
Full Load DC Voltage Range	443~850Vd.c.
PV Input Current	36+36+36(A)
Max. PV Isc	55+55+55(A)
AC Input/Output Data	
Rated AC Input/Output Power	29.9 kW
Max. AC Input/Output Power	29.9 kW
AC Input/Output Rated Current	43.4 A
Max. AC Input/Output Current	43.4 A
Rated AC Voltage	220/380,230/400 Vac(-20%~+15%)
AC Wiring Mode	3L+N+PE
Rated AC Frequency	50 /60 Hz(45~55Hz/55~65Hz)
Power Factor	0.8(leading) to 0.8(lagging)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

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IVGM30KHP3G2	
Product Type	Hybrid Inverter
Protection Degree	IP65
Overvoltage-category	DC II; AC III
Ambient Temperture	–40°C~60°C,>50°C Derating
Warranty	10 years
Battery Input Data	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50(A)
Max. Discharging Current	50+50(A)
PV String Input Data	
Max. DC Input Power	48 kW
Max. DC Input Voltage	1000Vd.c.
Min. DC Input Voltage	150Vd.c.
MPPT Range	150~850Vd.c.
Full Load DC Voltage Range	444~850Vd.c.
PV Input Current	36+36+36(A)
Max. PV Isc	55+55+55(A)
AC Input/Output Data	
Rated AC Input/Output Power	30 kW
Max. AC Input/Output Power	33 kW
AC Input/Output Rated Current	43.5 A
Max. AC Input/Output Current	47.9 A
Rated AC Voltage	220/380,230/400 Vac(-20%~+15%)
AC Wiring Mode	3L+N+PE
Rated AC Frequency	50 /60 Hz(45~55Hz/55~65Hz)
Power Factor	0.8(leading) to 0.8(lagging)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

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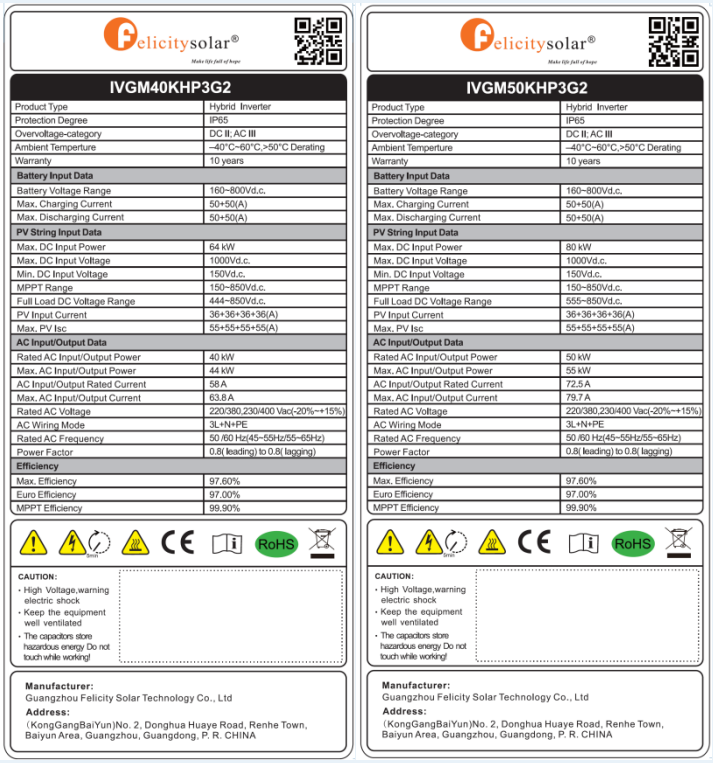

IVGM40KHP3G2	
Product Type	Hybrid Inverter
Protection Degree	IP65
Overvoltage-category	DC II; AC III
Ambient Temperture	–40°C~60°C,>50°C Derating
Warranty	10 years
Battery Input Data	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50(A)
Max. Discharging Current	50+50(A)
PV String Input Data	
Max. DC Input Power	64 kW
Max. DC Input Voltage	1000Vd.c.
Min. DC Input Voltage	150Vd.c.
MPPT Range	150~850Vd.c.
Full Load DC Voltage Range	444~850Vd.c.
PV Input Current	36+36+36+36(A)
Max. PV Isc	55+55+55+55(A)
AC Input/Output Data	
Rated AC Input/Output Power	40 kW
Max. AC Input/Output Power	44 kW
AC Input/Output Rated Current	58 A
Max. AC Input/Output Current	63.8 A
Rated AC Voltage	220/380,230/400 Vac(-20%~+15%)
AC Wiring Mode	3L+N+PE
Rated AC Frequency	50 /60 Hz(45~55Hz/55~65Hz)
Power Factor	0.8(leading) to 0.8(lagging)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

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IVGM50KHP3G2	
Product Type	Hybrid Inverter
Protection Degree	IP65
Overvoltage-category	DC II; AC III
Ambient Temperture	–40°C~60°C,>50°C Derating
Warranty	10 years
Battery Input Data	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50(A)
Max. Discharging Current	50+50(A)
PV String Input Data	
Max. DC Input Power	80 kW
Max. DC Input Voltage	1000Vd.c.
Min. DC Input Voltage	150Vd.c.
MPPT Range	150~850Vd.c.
Full Load DC Voltage Range	555~850Vd.c.
PV Input Current	36+36+36+36(A)
Max. PV Isc	55+55+55+55(A)
AC Input/Output Data	
Rated AC Input/Output Power	50 kW
Max. AC Input/Output Power	55 kW
AC Input/Output Rated Current	72.5 A
Max. AC Input/Output Current	79.7 A
Rated AC Voltage	220/380,230/400 Vac(-20%~+15%)
AC Wiring Mode	3L+N+PE
Rated AC Frequency	50 /60 Hz(45~55Hz/55~65Hz)
Power Factor	0.8(leading) to 0.8(lagging)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

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