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<br>EN 61000-3-12:2011+A1:2019<br>EN IEC 61000-3-11:2019<br>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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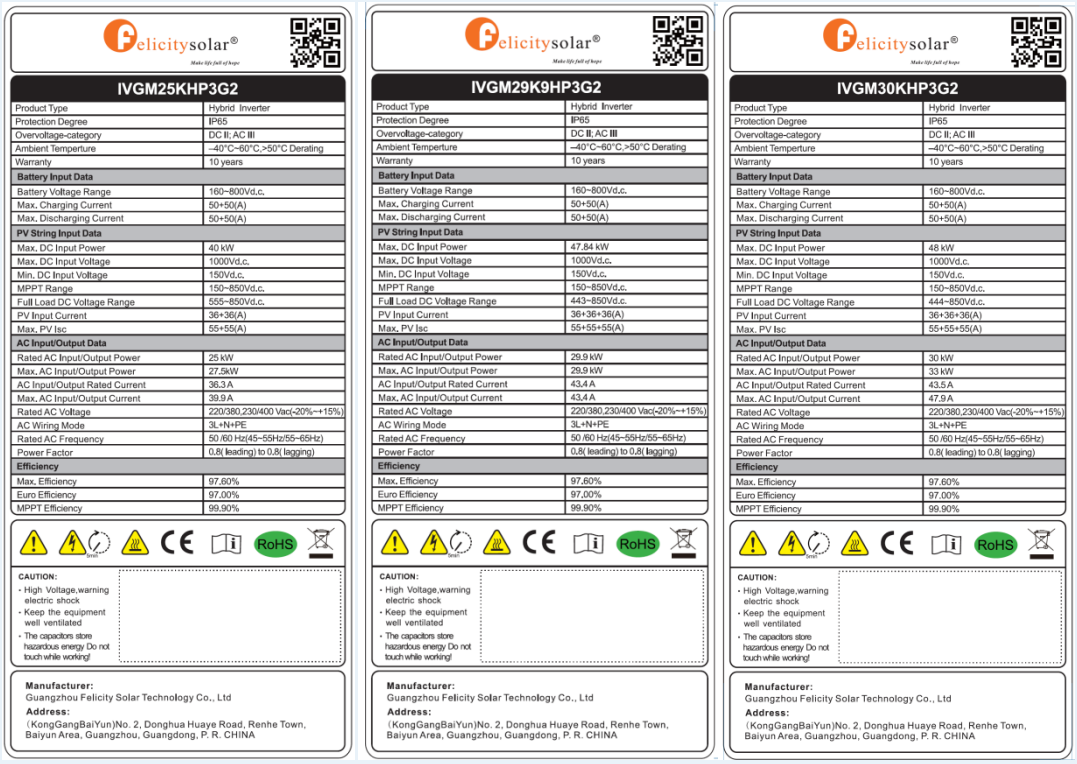
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## EU Council Directive 2014/30/EU
## Electromagnetic Compatibility

**Certificate No.** : AT1811C501850126

**Report No.** : 1811C50185012601

**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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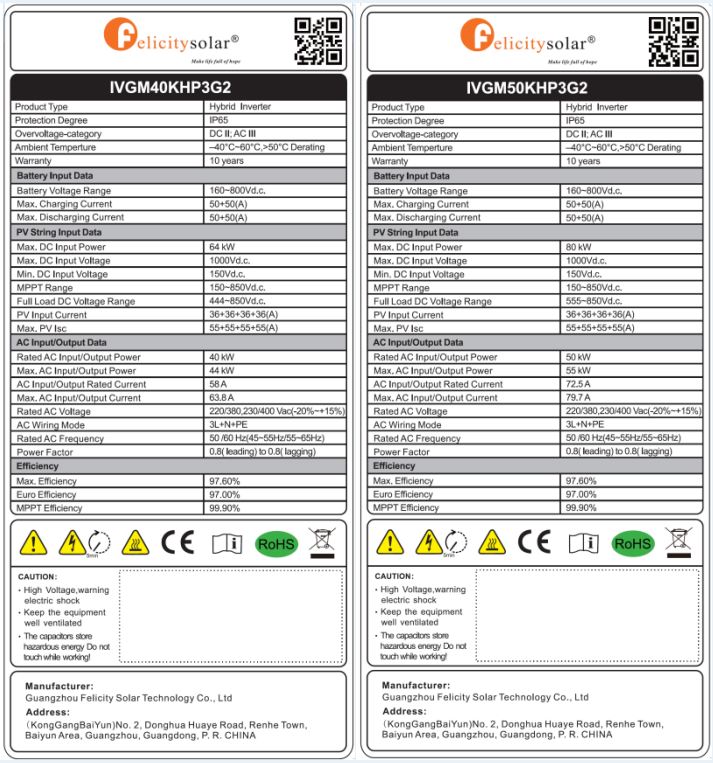
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| IVGM40KHP3G2 | |
|---|---|
| Product Type | Hybrid Inverter |
| Protection Degree | IP65 |
| Overvoltage-category | DC II; AC III |
| Ambient Temperture | –40°C~60°C,>50°C Derating |
| Warranty | 10 years |
| **Battery Input Data** | |
| Battery 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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