VERIFICATION

VERIFICATION

Of Conformity
Low Voltage Directive 2014/35/EU

Certificate No.	:	**AT1811C501853122-M5**
Report No.	:	**1811C50185312201-M5**
Applicant	:	Guangzhou Felicity Solar Technology Co., Ltd.
Address	:	(Airport Baiyun)No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, Guangdong, P. R. China
Product Name	:	Hybrid Inverter
Date	:	2026-03-09
Trade Mark	:	Felicitysolar® Make life full of hope
Model No.	:	IVGM50KHP3G2, IVGM40KHP3G2, IVGM30KHP3G2, IVGM29K9HP3G2, IVGM25KHP3G2
Rating	:	See attachment Rating table
Test Standards	:	IEC 62109-1:2010, IEC 62109-2:2011, EN 62109-1:2010, EN 62109-2:2011

The verification 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 verify that the tested sample is in conformity with Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. The verification does not imply assessment of the series-production of the product. The applicant of the verification is authorized to use this verification in connection with EU declaration of conformity specified in Article 15 and Annex IV of the Directive. The verification of conformity AT1811C501853122-M5 supersedes the verification of conformity AT1811C501853122-M4 which is withdrawn.

Shenzhen Anbotek Compliance Laboratory Limited * Approved *

Jeff Zhu

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

Shenzhen Anbotek Compliance Laboratory Limited
Sogood Industrial Zone Laboratory & 1/F. of Building D, 4/F. of Building A, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
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Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

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Attachment of Rating table

Rating : **IVGM50KHP3G2:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 80kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 150-850 Vd.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 Output Power: 50 kW
Max. AC Output Power: 55kW
AC Output Rated Current:72.5A
Max. AC Current:79.7A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: 3L+N+PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

IVGM40KHP3G2:

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 64kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 150-850 Vd.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 Output Power: 40 kW
Max. AC Output Power: 44kW
AC Output Rated Current:58A
Max. AC Current:63.8A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: 3L+N+PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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Attachment of Rating table

Rating : **IVGM30KHP3G2:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 48kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 150-850 Vd.c.
Full Load DC Voltage Range: 444~850Vd.c
PV Input Current: 36+36+36 A
Max. PV Isc: 55+55+55A

AC Input/Output Data
Rated Output Power: 30 kW
Max. AC Output Power: 33kW
AC Output Rated Current:43.5A
Max. AC Current:47.9A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: 3L+N+PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

IVGM29K9HP3G2:

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 47.84kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 150-850 Vd.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 Output Power: 29.9 kW
Max. AC Output Power: 29.9kW
AC Output Rated Current:43.4A
Max. AC Current:43.4A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: 3L+N+PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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Attachment of Rating table

Rating : **IVGM25KHP3G2:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 40kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 150-850 Vd.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 Output Power: 25 kW
Max. AC Output Power: 27.5kW
AC Output Rated Current:36.3A
Max. AC Current:39.9A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: 3L+N+PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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