

Certificate of Conformity

Product certificate number

No. 230022RECO11-CER

Issued to:

Holder:

NingBo Deye Inverter Technology Co., Ltd.
No.26 South YongJiang Road, Daqi, Beilun, NingBo, China

Trademark:



Manufacturer:

NingBo Deye Inverter Technology Co., Ltd.
No.26 South YongJiang Road, Daqi, Beilun, NingBo, China

It is certified that the product:

Type of generating unit: Hybrid inverter

Models

SUN-29.9K-SG01HP3-EU-BM3, SUN-30K-SG01HP3-EU-BM3,
SUN-35K-SG01HP3-EU-BM3, SUN-40K-SG01HP3-EU-BM4, SUN-50K-SG01HP3-EU-BM4.

Technical Data

Nominal power

See page 2

Nominal voltage

3/N/PE, 230/400 V

Nominal frequency

50 Hz / 60 Hz

Firmware version

MAIN: Ver 3102

Number of phases

Three Phase

Isolation Transformer

No

Is in compliance with the standards:

IEC 60068-2-1: 2007. "Environmental testing. Part 2-1. Test Ae: Cold"

IEC 60068-2-2: 2007. "Environmental testing. Part 2-2. Test Be: Dry heat"

IEC 60068-2-14: 2009. "Environmental testing. Part 2-14. Test Na Changes of temperature"

IEC 60068-2-30: 2005. "Environmental testing. Part 2-30. Test Db – Variant 2: Damp heat, cyclic (12 h + 12 h)"

This certificate is based upon the test results of the Test Report n° GZES221102230704 This report confirms that one sample of the above-mentioned products has been tested with positive result against the requirements of these IEC standards for environmental conditions.

The above-mentioned generating unit is certified according to the SGS internal process 4 based on the requirements of the UNE-EN ISO/IEC 17065.

First issued on 16th May 2023

This certificate is valid until 16th May 2028

Madrid, 16th May 2023



Daniel Arranz Muñiz
Certification Manager



Full list of product references and nominal characteristics:

| Model | SUN-29.9K-SG01HP3-EU-BM3 | SUN-30K-SG01HP3-EU-BM3 | SUN-35K-SG01HP3-EU-BM3 | SUN-40K-SG01HP3-EU-BM4 | SUN-50K-SG01HP3-EU-BM4 |
|------------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| PV Input | | | | | |
| Rated input voltage | 600 V | | | | |
| MPPT operating voltage range | 150~850 V | | | | |
| Max. input current | 36/36/36 A | | | 36/36/36/36 A | |
| Max. short current | 55/55/55 A | | | 55/55/55/55 A | |
| Battery Input | | | | | |
| Battery Type | Li-Ion | | | | |
| Battery Voltage Range | 160~800 V | | | | |
| Max. Charging Current | 50/50 A | | | | |
| Max. Discharging Current | 50/50 A | | | | |
| AC Output | | | | | |
| Rated AC power | 29900 W | 30000 W | 35000 W | 40000 W | 50000 W |
| Max. AC power | 29900 VA | 33000 VA | 38500 VA | 44000 VA | 55000 VA |
| Rated AC current | 43.4 A | 43.5 A | 50.8 A | 58.0 A | 72.5 A |
| Max. AC current | 43.4 A | 47.9 A | 55.8 A | 63.8 A | 79.8 A |

