



VERIFICATION OF COMPLIANCE

No.: **GZES2304006784PVA01**


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

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

Product Name: Grid-connected PV Inverter

Product Description: Three Phase Grid-connected PV Inverter

Model No.: SUN-120K-G01P3-EU-AM8, SUN-125K-G01P3-EU-AM8
SUN-130K-G01P3-EU-AM8, SUN-135K-G01P3-EU-AM8
SUN-136K-G01P3-EU-AM8

Trade Mark: 

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65

Software version: Inv5531-0115

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 3

as shown in the

Test Report Number(s): GZES230400678401, GZES230400678402
GZES230400678403, GZES230400678404

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

David Guo

Senior Technical Manager

2023-12-05

SGS-CSTC

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Other information added :
Ratings

| Product Model | SUN-120K-G01P3-EU-AM8 | SUN-125K-G01P3-EU-AM8 | SUN-130K-G01P3-EU-AM8 | SUN-135K-G01P3-EU-AM8 | SUN-136K-G01P3-EU-AM8 |
|-----------------------------------|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Input (DC) | | | | | |
| Max.DC Power (kW) | 180.0 | 187.5 | 195.0 | 202.5 | 204.0 |
| Max.DC Input Voltage (V) | 1100 | | | | |
| Rated Input Voltage (V) | 600 | | | | |
| Start-up DC Input Voltage (V) | 250 | | | | |
| MPPT Operating Range (V) | 200 ~ 1000 | | | | |
| MPPT Full Power Voltage Range (V) | 550 ~ 850 | | | | |
| Max. input current (A) | 40+40+40+40+40+40+40+40 | | | | |
| Max. short circuit current (A) | 60+60+60+60+60+60+60+60 | | | | |
| Number of MPPT/Strings per MPPT | 8/4+4+4+4+4+4+4+4 | | | | |
| Output (AC) | | | | | |
| Rated active power (kW) | 120 | 125 | 130 | 135 | 136 |
| Max. active power (kW) | 132 | 135 | 135 | 135 | 136 |
| Max. Output Current (A) | 191.4 | 195.7 | 195.7 | 195.7 | 197.2 |
| Rated AC Output Current (A) | 174.0 | 181.2 | 188.5 | 195.7 | 197.2 |
| Nominal Grid Voltage (V) | 230 V / 400 V [3L/N/PE] | | | | |
| Nominal Frequency (Hz) | 50/60 | | | | |
| Power factor | 0.8 leading to 0.8 lagging | | | | |
| Topology | Transformerless | | | | |
| Operating temperature range | -25 °C ~ +60 °C, > 45 °C derating | | | | |
| Degree of protection | IP65 | | | | |
| Protective Level | Class I | | | | |


 David Bui
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Test Standards:

IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.
IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.
IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.
IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.
IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.
IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.

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