



VERIFICATION OF COMPLIANCE

No.: **GZES2304006784PV**


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: Single 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

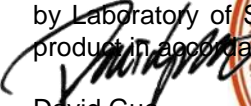
Sufficient samples of the product have been tested and found to be in conformity with

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
SGS-CSTC



2023-11-29

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Other information added :
Ratings

Product Model	SUN-120 K-G01P3- EU-AM8	SUN-125 K-G01P3- EU-AM8	SUN-130 K-G01P3- EU-AM8	SUN-135 K-G01P3- EU-AM8	SUN-136 K-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				

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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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