

Certificate of Conformity (COC)



Certificate Holder : NingBo Deye Inverter Technology Co., Ltd.
No. 26 South Yongjiang Road, Daqi, Beilun, Ningbo, China

Date of Original Issue : 2025-05-06


Date of Last Revision : --

Date of Expiry : 2028-05-05

Certificate Number : PCS-25-1092

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2

Brand/Trademark : 

Model(s) : SUN-18K-G05, SUN-20K-G05, SUN-22K-G05, SUN-23K-G05, SUN-25K-G05,
SUN-18K-G05P3-EU-CM2, SUN-20K-G05P3-EU-CM2, SUN-22K-G05P3-EU-CM2,
SUN-23K-G05P3-EU-CM2, SUN-25K-G05P3-EU-CM2

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report : GZES230300417901 Amendment 01, GZES230300417902 Amendment 01,
GZES230300417903 Amendment 01 and GZES230300417904 Amendment 01

Test Standard : IEC 62116:2014, IEC 61727:2004, IEC 61683:1999, IEC 60068-2-1: 2007, IEC 60068-2-2:2007,
IEC 60068-2-14:2009 and IEC 60068-2-30:2005



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



The use of this Certificate is subjected to the General Conditions for Certification Services accessible at <https://www.sgs.com/en/terms-and-conditions> and Certification Agreement for SGS Product Certification Scheme (PCS). Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. This Certificate is part of a full report and should be read in conjunction with it. This Certificate cannot be reproduced except in full, without prior approval of the Company. This Certificate remains the property of SGS Testing & Control Services Singapore Pte Ltd and shall be returned upon request.

Product Model	SUN-18K-G05	SUN-20K-G05	SUN-22K-G05	SUN-23K-G05	SUN-25K-G05
Input (DC)					
Max. Input Power (kW)	23.4	26.0	28.6	29.9	32.5
Max. Input Voltage (V)	1100				
Start-up Input Voltage (V)	250				
MPPT Operating Range (V)	200 ~ 1000				
Max. Input Current (A)	26+26				
Max. Short Current (A)	39+39				
Output (AC)					
Rated Active Power (kW)	18.0	20.0	22.0	23.0	25.0
Max. Apparent Power (kVA)	19.8	22	24.2	25.3	27.5
Max. Output Current (A)	28.7	31.9	35.1	36.7	39.9
Rated AC Output Current (A)	26.1	29.0	31.9	33.4	36.2
Nominal Grid Voltage (V)	230/400, 3L/N/PE				
Nominal Frequency (Hz)	50/60				
Power Factor	0.8 leading~0.8 lagging				
Topology	Transformerless				
Operating Temperature Range	-25 °C ~ +60 °C				
Degree of Protection	IP65				
Protective Level	Class I				

Product Model	SUN-18K-G05P3-EU-CM2	SUN-20K-G05P3-EU-CM2	SUN-22K-G05P3-EU-CM2	SUN-23K-G05P3-EU-CM2	SUN-25K-G05P3-EU-CM2
Input (DC)					
Max. Input Power (kW)	23.4	26.0	28.6	29.9	32.5
Max. Input Voltage (V)	1100				
Start-up Input Voltage (V)	250				
MPPT Operating Range (V)	200 ~ 1000				
Max. Input Current (A)	26+26				
Max. Short Current (A)	39+39				
Output (AC)					
Rated Active Power (kW)	18.0	20.0	22.0	23.0	25.0
Max. Apparent Power (kVA)	19.8	22	24.2	25.3	27.5
Max. Output Current (A)	28.7	31.9	35.1	36.7	39.9
Rated AC Output Current (A)	26.1	29.0	31.9	33.4	36.3
Nominal Grid Voltage (V)	230/400, 3L/N/PE				
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Operating Temperature Range	-25 °C ~ +60 °C				
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