

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 : 2024-03-04

Date of Last Revision : 2026-06-17

Date of Expiry : 2027-03-03

Certificate Number : PCS-24-1014/M2

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2 to page 3

Brand/Trademark : 

Model(s) : SUN-40K-G04, SUN-45K-G04, SUN-50K-G04, SUN-60K-G04, SUN-40K-G04P3-EU-CM3,
SUN-45K-G04P3-EU-CM3, SUN-50K-G04P3-EU-CM4, SUN-60K-G04P3-EU-CM4

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

Testing Report : GZES220300425101 Amendment 02, GZES220300425102 Amendment 02,
GZES220300425103 Amendment 02 and GZES220300425104 Amendment 03

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.

This certificate superseded the certificate number PCS-24-1014/M1 dated 2025-04-20 due to add new models SUN-60K-G04 and SUN-60K-G04P3-EU-CM4.

Christopher Hee
Certification Officer



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



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Model	SUN-40K-G04	SUN-45K-G04	SUN-50K-G04	SUN-60K-G04
PV Input				
Max. PV Input Power (kW)	52.0	58.5	65.0	78.0
Max. PV Input Voltage (V)	1100			
Start-up Voltage (V)	250			
Rated Input Voltage (V)	600			
MPPT Voltage Range (V)	200~1000			
Full Power MPPT Voltage Range (V)	450~850			
Max. Input Current (A)	40+40+40	40+40+40	40+40+40+40	40+40+40+40
Max. Short Circuit Current (A)	60+60+60	60+60+60	60+60+60+60	60+60+60+60
No. of MPP Trackers/ No. of Strings MPP Tracker	3/3+3+3	3/3+3+3	4/3+3+3+3	4/3+3+3+3
AC Output				
Nominal Grid Voltage (V)	3L/N/PE 230/400			
Nominal Grid Frequency (Hz)	50/60			
Rated AC Power (kW)	40.0	45.0	50.0	60.0
Max. AC Power (kW)	44.0	49.5	55.0	66.0
Rated AC Current (A)	58.0	65.2	72.5	87.0
Max. AC Current (A)	63.8	71.7	79.7	95.7
Output Power Factor	0.8 leading~0.8 lagging			
General Data				
Operating Temperature Range	-25 ~ +60 °C,>45 °C derating			
Protection Degree	IP65			
Protective Class	Class I			
Cooling Method	Intelligent air cooling			
Topology	Non-isolated			



APPENDIX

Certificate Number: PCS-24-1014/M2

Model	SUN-40K-G04P3- EU-CM3	SUN-45K-G04P3- EU-CM3	SUN-50K-G04P3- EU-CM4	SUN-60K-G04P3- EU-CM4
PV Input				
Max. PV Input Power (kW)	60.0	67.5	75.0	90.0
Max. PV Input Voltage (V)	1100			
Start-up Voltage (V)	250			
Rated Input Voltage (V)	600			
MPPT Voltage Range (V)	200~1000			
Full Power MPPT Voltage Range (V)	450~850			
Max. Input Current (A)	40+40+40	40+40+40	40+40+40+40	40+40+40+40
Max. Short Circuit Current (A)	60+60+60	60+60+60	60+60+60+60	60+60+60+60
No. of MPP Trackers/ No. of Strings MPP Tracker	3/3+3+3	3/3+3+3	4/3+3+3+3	4/3+3+3+3
AC Output				
Nominal Grid Voltage (V)	3L/N/PE 230/400			
Nominal Grid Frequency (Hz)	50/60			
Rated AC Power (kW)	40.0	45.0	50.0	60.0
Max. AC Power (kW)	44.0	49.5	55.0	66.0
Rated AC Current (A)	58.0	65.3	72.5	87.0
Max. AC Current (A)	63.8	71.8	79.8	95.7
Output Power Factor	0.8 leading~0.8 lagging			
General Data				
Operating Temperature Range	-25 ~ +60 °C, >45 °C derating			
Protection Degree	IP65			
Protective Class	Class I			
Cooling Method	Intelligent air cooling			
Topology	Non-isolated			



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