

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 : --

Date of Expiry : 2027-03-03

Certificate Number : PCS-24-1014

Product : Grid-connected PV Inverter

Ratings : See appendix

Brand/Trademark : 

Model(s) : SUN-40K- G04, SUN-45K- G04 and SUN-50K- G04

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

Testing Report(s) : GZES220300425101, GZES220300425102, GZES220300425103 and GZES220300425104 Amendment 01

Test Standard(s) : IEC 61727:2004, IEC 62116:2014, 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



Model	SUN-40K- G04	SUN-45K- G04	SUN-50K- G04
PV Input			
Recommended Max. PV input power(kW)	52	58.5	65
Max. input voltage(V)	1100		
Start-up operating voltage(V)	250		
Rated input voltage(V)	600		
MPPT operating 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
Max. short current(A)	60+60+60	60+60+60	60+60+60+60
AC Output			
Nominal grid voltage(V)	3L/N/PE 230/400V		
Nominal grid frequency (Hz)	50/60		
Rated AC power(kW)	40	45	50
Max. AC power(kW)	44	49.5	55
Rated AC current(A)	58	65.2	72.5
Max. AC current(A)	63.8	71.7	79.7
Output power factor	0.8 leading~0.8 lagging		
General Data			
Operating temperature range	-25 ~ +60 °C		
Protection degree	IP65		
Protective class	Class I		
Cooling method	Intelligent air cooling		
Topology	Non-isolated		

