

# 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 : 2025-05-07

Date of Last Revision : --

Date of Expiry : 2028-05-06

Certificate Number : PCS-25-1091

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2 and Page 3

Brand/Trademark : **Deye**

Model(s) : See appendix on page 2 and Page 3

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

Testing Report : GZES250400593401 and GZES250400593402

Test Standard : 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



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# APPENDIX

Certificate Number: PCS-25-1091

Model	SUN-3.6K- G05P1-EU-AM2	SUN-4K- G05P1-EU-AM2	SUN-4.2K- G05P1-EU-AM2	SUN-4.6K- G05P1-EU-AM2
PV Input				
Max. PV Input Power (kW)	5.4	6.0	6.3	6.9
Max. PV Input Voltage (V)	550			
Start-up Voltage (V)	80			
MPPT Voltage Range (V)	70-500			
Rated Input Voltage (V)	360			
Full Load MPPT Voltage Range (V)	130-500	145-500	150-500	165-500
Max. Input Short-Circuit Current (A)	2*27			
Max. Operating PV Input Current (A)	2*18			
No. of MPP Trackers/No. of Strings per MPP Tracker	2/1+1			
AC Output				
Rated AC Output Active Power (W)	3600	4000	4200	4600
Max. AC Output Apparent Power (VA)	3960	4400	4620	5060
Rated AC Output Current (A)	15.7	17.4	18.3	20.0
Max. AC Output Current (A)	17.3	19.2	20.1	22.0
Rated Output Voltage (V)	230			
Grid Connection Form	L/N/PE			
Rated Output Grid Frequency (Hz)	50			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-25 °C to + 60 °C, >45 °C derating			
Topology	Non-Isolated			
Ingress Protection	IP65			
Protective Class	Class I			
Cooling Method	Natural cooling			



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Model	SUN-5K- G05P1-EU-AM2	SUN-5.2K- G05P1-EU-AM2	SUN-6K- G05P1-EU-AM2	SUN-6.2K- G05P1-EU-AM2
PV Input				
Max. PV Input Power (kW)	7.5	7.8	9.0	9.3
Max. PV Input Voltage (V)	550			
Start-up Voltage (V)	80			
MPPT Voltage Range (V)	70-500			
Rated Input Voltage (V)	360			
Full Load MPPT Voltage Range (V)	180-500	190-500	215-500	225-500
Max. Input Short-Circuit Current (A)	2*27			
Max. Operating PV Input Current (A)	2*18			
No. of MPP Trackers/No. of Strings per MPP Tracker	2/1+1			
AC Output				
Rated AC Output Active Power (W)	5000	5200	6000	6200
Max. AC Output Apparent Power (VA)	5500	5720	6600	6820
Rated AC Output Current (A)	21.8	22.7	26.1	27.0
Max. AC Output Current (A)	24.0	24.9	28.7	29.7
Rated Output Voltage (V)	230			
Grid Connection Form	L/N/PE			
Rated Output Grid Frequency (Hz)	50			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-25 °C to + 60 °C, >45 °C derating			
Topology	Non-Isolated			
Ingress Protection	IP65			
Protective Class	Class I			
Cooling Method	Natural cooling			

