

Certificate of Conformity (COC)



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

Date of Original Issue : 2025-09-28

Date of Last Revision : --

Date of Expiry : 2028-09-27

Certificate Number : PCS-25-1183

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : 

Model(s) : SUN-5K-SG02LP1-EU-AM2, SUN-6K-SG02LP1-EU-AM2, SUN-7.6K-SG02LP1-EU-AM2,
SUN-8K-SG02LP1-EU-AM2, SUN-10K-SG02LP1-EU-AM3, SUN-12K-SG02LP1-EU-AM3,
SUN-7.6K-SG02LP1-EU-AM2-P, SUN-8K-SG02LP1-EU-AM2-P, SUN-10K-SG02LP1-EU-AM3-P,
SUN-12K-SG02LP1-EU-AM3-P

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

Testing Report : GZES250801563201, GZES250801563202, GZES250801563203 and GZES250801563204

Test Standard : 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



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APPENDIX

Certificate Number: PCS-25-1183

Product Model	SUN-5K-SG02LP1-EU-AM2	SUN-6K-SG02LP1-EU-AM2	SUN-7.6K-SG02LP1-EU-AM2	SUN-8K-SG02LP1-EU-AM2	SUN-10K-SG02LP1-EU-AM3	SUN-12K-SG02LP1-EU-AM3
PV Input						
Max. PV Input Power (W)	8000	9600	12160	12800	16000	19200
Max. PV Input Voltage (V)	500					
Start-up Voltage (V)	125					
PV Input Voltage Range (V)	125-500					
MPPT Voltage Range (V)	150-425					
Full Load MPPT Voltage Range (V)	200-425					
Rated PV Input Voltage (V)	370					
Max. Operating PV Input Current (A)	20+20		26+26		26+26+26	
Max. Input Short-Circuit Current (A)	44+44		44+44		44+44+44	
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/2+2				3/2+2+2	
Battery Input Data						
Battery Type	Lead-acid or Lithium-ion					
Battery Voltage Range (V)	40-60					
Max. Charging Current (A)	120	135	190	190	220	250
Max. Discharging Current (A)	120	135	190	190	220	250
AC Output						
Rated AC Output Active Power (W)	5000	6000	7600	8000	10000	12000
Max.AC Output Apparent Power (VA)	5500	6600	8360	8800	11000	13200
Rated AC Output Current (A)	21.8	26.1	33.1	34.8	43.5	52.2
Max. AC Output Current (A)	24	28.7	36.4	38.3	47.9	57.4
Rated Output Voltage (V)	230					
Grid Connection Form	L+N+PE					
Rated Output Frequency (Hz)	50					
Power Factor Adjustment Range	0.8 leading to 0.8 lagging					
General Data						
Operating Temperature Range	-40°C to +60°C, > 45°C derating					
Ingress Protection (IP) Rating	IP65					
Inverter Topology	Non-Isolated					
Type Of Cooling	Intelligent Air Cooling					
Protection Level	Class I					



APPENDIX

Certificate Number: PCS-25-1183

Product Model	SUN-7.6K-SG02LP1-EU-AM2-P	SUN-8K-SG02LP1-EU-AM2-P	SUN-10K-SG02LP1-EU-AM3-P	SUN-12K-SG02LP1-EU-AM3-P
PV Input				
Max. PV Input Power (W)	12160	12800	16000	19200
Max. PV Input Voltage (V)	500			
Start-up Voltage (V)	125			
PV Input Voltage Range (V)	125-500			
MPPT Voltage Range (V)	150-425			
Full Load MPPT Voltage Range (V)	200-425			
Rated PV Input Voltage (V)	370			
Max. Operating PV Input Current (A)	32+32		32+32+32	
Max. Input Short-Circuit Current (A)	60+60		60+60+60	
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/2+2		3/2+2+2	
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	190	190	220	250
Max. Discharging Current (A)	190	190	220	250
AC Output				
Rated AC Output Active Power (W)	7600	8000	10000	12000
Max.AC Output Apparent Power (VA)	8360	8800	11000	13200
Rated AC Output Current (A)	33.1	34.8	43.5	52.2
Max. AC Output Current (A)	36.4	38.3	47.9	57.4
Rated Output Voltage (V)	230			
Grid Connection Form	L+N+PE			
Rated Output Frequency (Hz)	50			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-40°C to +60°C, > 45°C derating			
Ingress Protection (IP) Rating	IP65			
Inverter Topology	Non-Isolated			
Type Of Cooling	Intelligent Air Cooling			
Protection Level	Class I			

