

# 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 : 2024-03-26

Date of Last Revision : --

Date of Expiry : 2027-03-25

Certificate Number : PCS-24-1023

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2 to page 4

Brand/Trademark :

Model : SUN-3K-G06P3-EU-AM2, SUN-4K-G06P3-EU-AM2, SUN-5K-G06P3-EU-AM2, SUN-6K-G06P3-EU-AM2, SUN-7K-G06P3-EU-AM2, SUN-8K-G06P3-EU-AM2, SUN-9K-G06P3-EU-AM2, SUN-10K-G06P3-EU-AM2, SUN-12K-G06P3-EU-AM2, SUN-15K-G06P3-EU-AM2, SUN-3K-G06P3-EU-AM2-P1, SUN-4K-G06P3-EU-AM2-P1, SUN-5K-G06P3-EU-AM2-P1, SUN-6K-G06P3-EU-AM2-P1, SUN-7K-G06P3-EU-AM2-P1, SUN-8K-G06P3-EU-AM2-P1, SUN-9K-G06P3-EU-AM2-P1, SUN-10K-G06P3-EU-AM2-P1, SUN-12K-G06P3-EU-AM2-P1, SUN-15K-G06P3-EU-AM2-P1

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

Testing Report : GZES220300424903, 2023-12-02, Amendment 01:2024-03-05  
GZES220300424904, 2023-12-02, Amendment 01:2024-03-05

Test Standard : IEC 61683:1999 ;  
IEC 60068-2-1:2007 ;  
IEC 60068-2-2:2007 ;  
IEC 60068-2-14:2009 ;  
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-24-1023

Model	SUN-3K-G06P3-EU-AM2-P1	SUN-4K-G06P3-EU-AM2-P1	SUN-5K-G06P3-EU-AM2-P1	SUN-6K-G06P3-EU-AM2-P1
Model (*)	SUN-3K-G06P3-EU-AM2	SUN-4K-G06P3-EU-AM2	SUN-5K-G06P3-EU-AM2	SUN-6K-G06P3-EU-AM2
<b>PV Input</b>				
Recommended Max. PV input power (kW)	3.9	5.2	6.5	7.8
Max. input voltage (V)	1100			
Start-up operating voltage (V)	140			
Rated input voltage (V)	600			
MPPT operating voltage range (V)	120-1000			
Full power MPPT voltage range (V)	350-850			
Max. input current (A)	20+20			
Max. short current (A)	30+30			
Max. input current (A) (*)	13+13			
Max. short current (A) (*)	19.5+19.5			
<b>AC Output</b>				
Nominal grid voltage (V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power (kW)	3	4	5	6
Max. AC power (kW)	3.3	4.4	5.5	6.6
Rated AC current (A)	4.4	5.8	7.3	8.7
Max. AC current (A)	4.8	6.4	8.0	9.6
Output power factor	0.8 leading~0.8 lagging			
<b>General Data</b>				
Operating temperature range	-25 ~ 60 °C, >45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Free cooling			
Topology	Transformerless			

(\*) The difference between the model suffixes AM2 and AM2-P1 is the maximum input current and the maximum short-circuit current, refer to the above parameter table of detailed information.



APPENDIX

Certificate Number: PCS-24-1023

Model	SUN-7K-G06P3-EU-AM2-P1	SUN-8K-G06P3-EU-AM2-P1	SUN-9K-G06P3-EU-AM2-P1	SUN-10K-G06P3-EU-AM2-P1
Model (*)	SUN-7K-G06P3-EU-AM2	SUN-8K-G06P3-EU-AM2	SUN-9K-G06P3-EU-AM2	SUN-10K-G06P3-EU-AM2
<b>PV Input</b>				
Recommended Max. PV input power(kW)	9.1	10.4	11.7	13
Max. input voltage(V)	1100			
Start-up operating voltage(V)	140			
Rated input voltage(V)	600			
MPPT operating voltage range(V)	120~1000			
Full power MPPT voltage range (V)	480~850			
Max. input current(A)	20+20			
Max. short current(A)	30+30			
Max. input current(A) (*)	13+13			
Max. short current(A) (*)	19.5+19.5			
<b>AC Output</b>				
Nominal grid voltage(V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power(kW)	7	8	9	10
Max. AC power(kW)	7.7	8.8	9.9	11
Rated AC current(A)	10.2	11.6	13.1	14.5
Max. AC current(A)	11.2	12.8	14.4	16.0
Output power factor	0.8 leading~0.8 lagging			
<b>General Data</b>				
Operating temperature range	-25 ~ 60 °C, >45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Free cooling			
Topology	Transformerless			

(\*) The difference between the model suffixes AM2 and AM2-P1 is the maximum input current and the maximum short-circuit current, refer to the above parameter table of detailed information.



APPENDIX

Certificate Number: PCS-24-1023

Model	SUN-12K-G06P3-EU-AM2-P1	SUN-15K-G06P3-EU-AM2-P1
Model (*)	SUN-12K-G06P3-EU-AM2	SUN-15K-G06P3-EU-AM2
<b>PV Input</b>		
Recommended Max. PV input power(kW)	15.6	19.5
Max. input voltage(V)	1100	
Start-up operating voltage(V)	140	
Rated input voltage(V)	600	
MPPT operating voltage range(V)	120~1000	
Full power MPPT voltage range (V)	480~850	
Max. input current(A)	20+20	20+26
Max. short current(A)	30+30	30+39
Max. input current(A) (*)	13+13	13+26
Max. short current(A) (*)	19.5+19.5	19.5+39
<b>AC Output</b>		
Nominal grid voltage(V)	3L/N/PE 230/400V	
Nominal grid frequency (Hz)	50/60	
Rated AC power(kW)	12	15
Max. AC power(kW)	13.2	16.5
Rated AC current(A)	17.4	21.8
Max. AC current(A)	19.2	24.0
Output power factor	0.8 leading~0.8 lagging	
<b>General Data</b>		
Operating temperature range	-25 ~ 60 °C, >45 °C derating	
Protection degree	IP65	
Protective class	Class I	
Cooling method	Free cooling	
Topology	Transformerless	

(\*) The difference between the model suffixes AM2 and AM2-P1 is the maximum input current and the maximum short-circuit current, refer to the above parameter table of detailed information.

