

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 : 2024-08-17


Date of Last Revision : 2025-04-26

Date of Expiry : 2027-08-16

Certificate Number : PCS-24-1115/M1

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2 to page 7

Brand/Trademark : 

Models : See appendix on page 2 to page 7

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

Testing Report : GZES220300424901 Amendment 03, GZES220300424902 Amendment 03,
GZES220300424903 Amendment 03 and GZES220300424904 Amendment 03

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.

This certificate superseded the certificate number PCS-24-1115 dated 2024-08-17 due to add new models, update rating label and cooling method and update the electrical schemes.

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-3K-G06P3-EU-AM2-P1	SUN-4K-G06P3-EU-AM2-P1	SUN-5K-G06P3-EU-AM2-P1	SUN-6K-G06P3-EU-AM2-P1
	SUN-3K-G06P3-EU-BM2-P1	SUN-4K-G06P3-EU-BM2-P1	SUN-5K-G06P3-EU-BM2-P1	SUN-6K-G06P3-EU-BM2-P1
	SUN-3K-G06P3-EU-CM2-P1	SUN-4K-G06P3-EU-CM2-P1	SUN-5K-G06P3-EU-CM2-P1	SUN-6K-G06P3-EU-CM2-P1
PV Input				
Recommended Max. PV input power (kW)	4.5	6.0	7.5	9.0
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			
AC Output				
Nominal grid voltage (V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power(kW)	3	4	5	6
Max. Apparent Power(kVA)	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			
General Data				
Operating temperature range	-25 ~ 60 °C,>45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Natural cooling			
Topology	Non-Isolated			



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
	SUN-7K-G06P3-EU-BM2-P1	SUN-8K-G06P3-EU-BM2-P1	SUN-9K-G06P3-EU-BM2-P1	SUN-10K-G06P3-EU-BM2-P1
	SUN-7K-G06P3-EU-CM2-P1	SUN-8K-G06P3-EU-CM2-P1	SUN-9K-G06P3-EU-CM2-P1	SUN-10K-G06P3-EU-CM2-P1
PV Input				
Recommended Max. PV input power (kW)	10.5	12.0	13.5	15.0
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			
AC Output				
Nominal grid voltage (V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power(kW)	7	8	9	10
Max. Apparent Power(kVA)	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			
General Data				
Operating temperature range	-25 ~ 60 °C,>45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Natural cooling			
Topology	Non-Isolated			



Model	SUN-12K-G06P3-EU-AM2-P1	SUN-15K-G06P3-EU-AM2-P1
	SUN-12K-G06P3-EU-BM2-P1	SUN-15K-G06P3-EU-BM2-P1
	SUN-12K-G06P3-EU-CM2-P1	SUN-15K-G06P3-EU-CM2-P1
PV Input		
Recommended Max. PV input power (kW)	18.0	22.5
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
AC Output		
Nominal grid voltage (V)	3L/N/PE 230/400V	
Nominal grid frequency (Hz)	50/60	
Rated AC power(kW)	12	15
Max. Apparent Power(kVA)	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	
General Data		
Operating temperature range	-25 ~ 60 °C,>45 °C derating	
Protection degree	IP65	
Protective class	Class I	
Cooling method	Natural cooling	
Topology	Non-Isolated	



Model	SUN-3K-G06P3-EU-AM2	SUN-4K-G06P3-EU-AM2	SUN-5K-G06P3-EU-AM2	SUN-6K-G06P3-EU-AM2
	SUN-3K-G06P3-EU-BM2	SUN-4K-G06P3-EU-BM2	SUN-5K-G06P3-EU-BM2	SUN-6K-G06P3-EU-BM2
	SUN-3K-G06P3-EU-CM2	SUN-4K-G06P3-EU-CM2	SUN-5K-G06P3-EU-CM2	SUN-6K-G06P3-EU-CM2
PV Input				
Recommended Max. PV input power (kW)	4.5	6.0	7.5	9.0
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)	13+13			
Max. short current (A)	19.5+19.5			
AC Output				
Nominal grid voltage (V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power(kW)	3	4	5	6
Max. Apparent Power(kVA)	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			
General Data				
Operating temperature range	-25 ~ 60 °C, >45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Natural cooling			
Topology	Non-Isolated			



Model	SUN-7K-G06P3-EU-AM2	SUN-8K-G06P3-EU-AM2	SUN-9K-G06P3-EU-AM2	SUN-10K-G06P3-EU-AM2
	SUN-7K-G06P3-EU-BM2	SUN-8K-G06P3-EU-BM2	SUN-9K-G06P3-EU-BM2	SUN-10K-G06P3-EU-BM2
	SUN-7K-G06P3-EU-CM2	SUN-8K-G06P3-EU-CM2	SUN-9K-G06P3-EU-CM2	SUN-10K-G06P3-EU-CM2
PV Input				
Recommended Max. PV input power (kW)	10.5	12.0	13.5	15.0
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)	13+13			
Max. short current (A)	19.5+19.5			
AC Output				
Nominal grid voltage (V)	3L/N/PE 230/400V			
Nominal grid frequency (Hz)	50/60			
Rated AC power(kW)	7	8	9	10
Max. Apparent Power(kVA)	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			
General Data				
Operating temperature range	-25 ~ 60 °C,>45 °C derating			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Natural cooling			
Topology	Non-Isolated			



Model	SUN-12K-G06P3-EU-AM2	SUN-15K-G06P3-EU-AM2
	SUN-12K-G06P3-EU-BM2	SUN-15K-G06P3-EU-BM2
	SUN-12K-G06P3-EU-CM2	SUN-15K-G06P3-EU-CM2
PV Input		
Recommended Max. PV input power (kW)	18.0	22.5
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)	13+13	13+26
Max. short current (A)	19.5+19.5	19.5+39
AC Output		
Nominal grid voltage (V)	3L/N/PE 230/400V	
Nominal grid frequency (Hz)	50/60	
Rated AC power(kW)	12	15
Max. Apparent Power(kVA)	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	
General Data		
Operating temperature range	-25 ~ 60 °C,>45 °C derating	
Protection degree	IP65	
Protective class	Class I	
Cooling method	Natural cooling	
Topology	Non-Isolated	

