

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 : 2026-04-28

Date of Last Revision : --

Date of Expiry : 2029-04-27

Certificate Number : PCS-26-1099

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : 

Model(s) : SUN-3K-SG06LP1-24-EU-CM1, SUN-3K-SG06LP1-EU-CM1, SUN-3.6K-SG06LP1-EU-CM2, SUN-4K-SG06LP1-EU-CM2, SUN-4.6K-SG06LP1-EU-CM2, SUN-5K-SG06LP1-EU-CM2, SUN-6K-SG06LP1-EU-CM2, SUN-3K-SG06LP1-24-EU-BM1, SUN-3K-SG06LP1-EU-BM1, SUN-3.6K-SG06LP1-EU-BM2, SUN-4K-SG06LP1-EU-BM2, SUN-4.6K-SG06LP1-EU-BM2, SUN-5K-SG06LP1-EU-BM2, SUN-6K-SG06LP1-EU-BM2

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

Testing Report : GZGC260300018601, GZGC260300018602, GZGC260300018603 and GZGC260300018604

Test Standard : IEC 62116:2014, IEC 61727:2004, 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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Product Model	SUN-3K-SG06LP1-24-EU-CM1	SUN-3K-SG06LP1-EU-CM1	SUN-3.6K-SG06LP1-EU-CM2	SUN-4K-SG06LP1-EU-CM2
	SUN-3K-SG06LP1-24-EU-BM1	SUN-3K-SG06LP1-EU-BM1	SUN-3.6K-SG06LP1-EU-BM2	SUN-4K-SG06LP1-EU-BM2
PV Input Data				
Max. PV Input Power (W)	4800	4800	5760	6400
Max. PV Input Voltage (V)	500			
Start-up Voltage (V)	125			
Rated Input Voltage (V)	370			
MPPT Voltage Range (V)	150-425			
Full Load MPPT Voltage Range (V)	300-425			
Max. Operating PV Input Current (A)	18		18+18	
Max. Input Short-Circuit Current (A)	27		27+27	
No. of MPP Trackers/ No. of Strings MPP Tracker	1/1		2/1+1	
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	20-30	40-60		
Max. Charging Current (A)	140	70	90	95
Max. Discharging Current (A)	140	70	90	95
AC Output Data				
Rated AC Output Active Power (W)	3000	3000	3600	4000
Max. AC Output Apparent Power (VA)	3300	3300	3960	4400
Rated AC Output Current (A)	13.1	13.1	15.7	17.4
Max. AC Output Current (A)	14.4	14.4	17.3	19.2
Nominal Grid Voltage (V)	L+N+PE, 230			
Nominal Frequency (Hz)	50/60			
Power Factor	0.8 leading - 0.8 lagging			
General Data				
Topology	Non-Isolated			
Operating Temperature Range	-40 ~ +60 °C, > +45 °C derating			
Degree of Protection	IP65			
Type of Cooling	Natural Cooling			



Product Model	SUN-4.6K-SG06LP1-EU-CM2	SUN-5K-SG06LP1-EU-CM2	SUN-6K-SG06LP1-EU-CM2
	SUN-4.6K-SG06LP1-EU-BM2	SUN-5K-SG06LP1-EU-BM2	SUN-6K-SG06LP1-EU-BM2
PV Input Data			
Max. PV Input Power (W)	7360	8000	9600
Max. PV Input Voltage (V)	500		
Start-up Voltage (V)	125		
Rated Input Voltage (V)	370		
MPPT Voltage Range (V)	150-425		
Full Load MPPT Voltage Range (V)	300-425		
Max. Operating PV Input Current (A)	18+18		
Max. Input Short-Circuit Current (A)	27+27		
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1		
Battery Input Data			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	40-60		
Max. Charging Current (A)	120	120	135
Max. Discharging Current (A)	120	120	135
AC Output Data			
Rated AC Output Active Power (W)	4600	5000	6000
Max. AC Output Apparent Power (VA)	4600	5500	6600
Rated AC Output Current (A)	20.0	21.8	26.1
Max. AC Output Current (A)	20.0	24.0	28.7
Nominal Grid Voltage (V)	L+N+PE, 230		
Nominal Frequency (Hz)	50/60		
Power Factor	0.8 leading - 0.8 lagging		
General Data			
Topology	Non-Isolated		
Operating Temperature Range	-40 ~ +60 °C, > +45 °C derating		
Degree of Protection	IP65		
Type of Cooling	Natural Cooling		

