

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 : 2026-07-20

Date of Last Revision : --

Date of Expiry : 2029-07-19

Certificate Number : PCS-26-1152

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : 

Model : SUN-29.9K-SG02HP3-EU-BM3, SUN-30K-SG02HP3-EU-BM3,
SUN-35K-SG02HP3-EU-BM3, SUN-40K-SG02HP3-EU-BM4,
SUN-50K-SG02HP3-EU-BM4, SUN-29.9K-SG02HP3-EU-BM3-P,
SUN-30K-SG02HP3-EU-BM3-P, SUN-35K-SG02HP3-EU-BM3-P,
SUN-40K-SG02HP3-EU-BM4-P, SUN-50K-SG02HP3-EU-BM4-P

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

Testing Report : GZGC260600039201, GZGC260600039202, GZGC260600039203 and GZGC260600039204

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-29.9K- SG02HP3-EU- BM3	SUN-30K- SG02HP3-EU- BM3	SUN-35K- SG02HP3-EU- BM3	SUN-40K- SG02HP3-EU- BM4	SUN-50K- SG02HP3-EU- BM4
PV Input Data					
Max. PV Input Power (W)	47840	48000	56000	64000	80000
Max. PV Input Voltage (V)	1000				
Start-up Voltage (V)	180				
Rated Input Voltage (V)	600				
MPPT Voltage Range (V)	150-850				
Full Load MPPT Voltage Range (V)	360-850	360-850	420-850	360-850	450-850
Max. Operating PV Input Current (A)	36+36+36			36+36+36+36	
Max. Input Short-Circuit Current (A)	55+55+55			55+55+55+55	
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+2+2			4/2+2+2+2	
Battery Input Data					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	160-800				
Max. Charging Current (A)	100				
Max. Discharging Current (A)	100				
Number of Battery Input	1				
AC Output Data					
Rated AC Output Active Power (W)	29900	30000	35000	40000	50000
Max. AC Output Apparent Power (VA)	29900	33000	38500	44000	55000
Rated AC Output Current (A)	43.4	43.5	50.8	58.0	72.5
Max. AC Output Current (A)	43.4	47.9	55.8	63.8	79.8
Nominal Grid Voltage (V)	3L+N+PE, 230/400				
Nominal Frequency (Hz)	50/60				
Power Factor	0.8 leading to 0.8 lagging				
General Data					
Topology	Non-Isolated				
Operating Temperature Range	-40 ~ +60 °C, > +45 °C derating				
Degree of Protection	IP65				
Type of Cooling	Intelligent Air Cooling				



APPENDIX

Certificate Number: PCS-26-1152

Product Model	SUN-29.9K-SG02HP3-EU-BM3-P	SUN-30K-SG02HP3-EU-BM3-P	SUN-35K-SG02HP3-EU-BM3-P	SUN-40K-SG02HP3-EU-BM4-P	SUN-50K-SG02HP3-EU-BM4-P
PV Input Data					
Max. PV Input Power (W)	47840	48000	56000	64000	80000
Max. PV Input Voltage (V)	1000				
Start-up Voltage (V)	180				
Rated Input Voltage (V)	600				
MPPT Voltage Range (V)	150-850				
Full Load MPPT Voltage Range (V)	360-850	360-850	420-850	360-850	450-850
Max. Operating PV Input Current (A)	36+36+36			36+36+36+36	
Max. Input Short-Circuit Current (A)	55+55+55			55+55+55+55	
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+2+2			4/2+2+2+2	
Battery Input Data					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	160-800				
Max. Charging Current (A)	160				
Max. Discharging Current (A)	160				
Number of Battery Input	1				
AC Output Data					
Rated AC Output Active Power (W)	29900	30000	35000	40000	50000
Max. AC Output Apparent Power (VA)	29900	33000	38500	44000	55000
Rated AC Output Current (A)	43.4	43.5	50.8	58.0	72.5
Max. AC Output Current (A)	43.4	47.9	55.8	63.8	79.8
Nominal Grid Voltage (V)	3L+N+PE, 230/400				
Nominal Frequency (Hz)	50/60				
Power Factor	0.8 leading to 0.8 lagging				
General Data					
Topology	Non-Isolated				
Operating Temperature Range	-40 ~ +60 °C, > +45 °C derating				
Degree of Protection	IP65				
Type of Cooling	Intelligent Air Cooling				



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