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	:	2026-10-29
Date of Last Revision	:	--
Date of Expiry	:	2029-10-28
Certificate Number	:	PCS-26-1199
Product	:	Hybrid Inverter
Ratings	:	See appendix on page 2 to page 5
Brand/Trademark	:	Deye
Model	:	SUN-3K-SG06LP3-EU-CM2, SUN-4K-SG06LP3-EU-CM2, SUN-5K-SG06LP3-EU-CM2, SUN-6K-SG06LP3-EU-CM2, SUN-8K-SG06LP3-EU-CM2, SUN-3K-SG06LP3-EU-BM2, SUN-4K-SG06LP3-EU-BM2, SUN-5K-SG06LP3-EU-BM2, SUN-6K-SG06LP3-EU-BM2, SUN-8K-SG06LP3-EU-BM2, SUN-3K-SG06LP3-EU-TM2, SUN-4K-SG06LP3-EU-TM2, SUN-5K-SG06LP3-EU-TM2, SUN-6K-SG06LP3-EU-TM2, SUN-8K-SG06LP3-EU-TM2
Test Laboratory	:	SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch
Testing Report	:	SUGC261000022651-01, SUGC261000022651-02, SUGC261000022651-03 and SUGC261000022651-04
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.

Accredited Certification Body
SAC
PD-2016-15

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-26-1199

Product Model	SUN-3K-SG06LP3-EU-CM2 SUN-3K-SG06LP3-EU-BM2	SUN-4K-SG06LP3-EU-CM2 SUN-4K-SG06LP3-EU-BM2	SUN-5K-SG06LP3-EU-CM2 SUN-5K-SG06LP3-EU-BM2
PV Input Data			
Max. PV Input Power (W)	4800	6400	8000
Max. PV Input Voltage (V)	800		
Start-up Voltage (V)	160		
Rated Input Voltage (V)	550		
MPPT Voltage Range (V)	200-650		
Full Load MPPT Voltage Range (V)	200-650		
Max. Operating PV Input Current (A)	20+20		
Max. Input Short-Circuit Current (A)	30+30		
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)	70	95	120
Max. Discharging Current (A)	70	95	120
Number of Battery Input	1		
AC Output Data			
Rated AC Output Active Power (W)	3000	4000	5000
Max. AC Output Apparent Power (VA)	3300	4400	5500
Rated AC Output Current (A)	4.4	5.8	7.3
Max. AC Output Current (A)	4.8	6.4	8.0
Nominal Grid Voltage (V)	3L+N+PE, 230/400		
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		

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APPENDIX

Certificate Number: PCS-26-1199

Product Model	SUN-6K-SG06LP3-EU-CM2 SUN-6K-SG06LP3-EU-BM2	SUN-8K-SG06LP3-EU-CM2 SUN-8K-SG06LP3-EU-BM2
PV Input Data		
Max. PV Input Power (W)	9600	12800
Max. PV Input Voltage (V)	800	
Start-up Voltage (V)	160	
Rated Input Voltage (V)	550	
MPPT Voltage Range (V)	200-650	
Full Load MPPT Voltage Range (V)	200-650	
Max. Operating PV Input Current (A)	20+20	
Max. Input Short-Circuit Current (A)	30+30	
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)	135	190
Max. Discharging Current (A)	135	190
Number of Battery Input	1	
AC Output Data		
Rated AC Output Active Power (W)	6000	8000
Max. AC Output Apparent Power (VA)	6600	8800
Rated AC Output Current (A)	8.7	11.6
Max. AC Output Current (A)	9.6	12.8
Nominal Grid Voltage (V)	3L+N+PE, 230/400	
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	Intelligent Air Cooling

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APPENDIX

Certificate Number: PCS-26-1199

Product Model	SUN-3K-SG06LP3-EU-TM2	SUN-4K-SG06LP3-EU-TM2	SUN-5K-SG06LP3-EU-TM2
PV Input Data			
Max. PV Input Power (W)	4800	6400	8000
Max. PV Input Voltage (V)	800		
Start-up Voltage (V)	160		
Rated Input Voltage (V)	550		
MPPT Voltage Range (V)	200-650		
Full Load MPPT Voltage Range (V)	200-650		
Max. Operating PV Input Current (A)	20+20		
Max. Input Short-Circuit Current (A)	30+30		
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1		
Battery Input Data			
Battery Type	LiFePO4		
Battery Voltage Range (V)	41.6-58.4		
Battery Module Voltage (V)	51.2		
Max. Charging Current (A)	70	95	120
Max. Discharging Current (A)	70	95	120
Number of Battery Input	1		
AC Output Data			
Rated AC Output Active Power (W)	3000	4000	5000
Max. AC Output Apparent Power (VA)	3300	4400	5500
Rated AC Output Current (A)	4.4	5.8	7.3
Max. AC Output Current (A)	4.8	6.4	8.0
Nominal Grid Voltage (V)	3L+N+PE, 230/400		
Nominal Frequency (Hz)	50/60		
Power Factor	0.8 leading - 0.8 lagging		
General Data			
Topology	Non-Isolated(solar), Isolated(battery)		
Operating Temperature Range	Charge: +1 ~ +55°C / Discharge: -20 ~ +55 °C, > +45 °C derating		
Degree of Protection	IP66		
Type of Cooling	Intelligent air cooling		

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APPENDIX

Certificate Number: PCS-26-1199

Product Model	SUN-6K-SG06LP3-EU-TM2	SUN-8K-SG06LP3-EU-TM2
PV Input Data		
Max. PV Input Power (W)	9600	12800
Max. PV Input Voltage (V)	800	
Start-up Voltage (V)	160	
Rated Input Voltage (V)	550	
MPPT Voltage Range (V)	200-650	
Full Load MPPT Voltage Range (V)	200-650	
Max. Operating PV Input Current (A)	20+20	
Max. Input Short-Circuit Current (A)	30+30	
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1	
Battery Input Data		
Battery Type	LiFePO4	
Battery Voltage Range (V)	41.6-58.4	
Battery Module Voltage (V)	51.2	
Max. Charging Current (A)	135	190
Max. Discharging Current (A)	135	190
Number of Battery Input	1	
AC Output Data		
Rated AC Output Active Power (W)	6000	8000
Max. AC Output Apparent Power (VA)	6600	8800
Rated AC Output Current (A)	8.7	11.6
Max. AC Output Current (A)	9.6	12.8
Nominal Grid Voltage (V)	3L+N+PE, 230/400	
Nominal Frequency (Hz)	50/60	
Power Factor	0.8 leading - 0.8 lagging	
General Data		
Topology	Non-Isolated(solar), Isolated(battery)	
Operating Temperature Range	Charge: +1 ~ +55°C / Discharge: -20 ~ +55 °C, > +45 °C derating	
Degree of Protection	IP66	
Type of Cooling	Intelligent air cooling	

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