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	:	2026-11-01
Date of Last Revision	:	--
Date of Expiry	:	2029-10-31
Certificate Number	:	PCS-26-1203
Product	:	Hybrid Inverter
Ratings	:	See appendix on page 2 to page 5
Brand/Trademark	:	Deye
Model	:	SUN-7K-SG06LP1-EU-CM3, SUN-7.6K-SG06LP1-EU-CM3, SUN-8K-SG06LP1-EU-CM3, SUN-10K-SG06LP1-EU-CM3, SUN-12K-SG06LP1-EU-CM3, SUN-7K-SG06LP1-EU-BM3, SUN-7.6K-SG06LP1-EU-BM3, SUN-8K-SG06LP1-EU-BM3, SUN-10K-SG06LP1-EU-BM3, SUN-12K-SG06LP1-EU-BM3, SUN-7K-SG06LP1-EU-TM3, SUN-7.5K-SG06LP1-EU-TM3, SUN-8K-SG06LP1-EU-TM3, SUN-10K-SG06LP1-EU-TM3, SUN-12K-SG06LP1-EU-TM3
Test Laboratory	:	SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch
Testing Report	:	SUGC261000022551-01, SUGC261000022551-02, SUGC261000022551-03 and SUGC261000022551-04
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-26-1203

Product Model	SUN-7K-SG06LP1-EU-CM3 SUN-7K-SG06LP1-EU-BM3	SUN-7.6K-SG06LP1-EU-CM3 SUN-7.6K-SG06LP1-EU-BM3	SUN-8K-SG06LP1-EU-CM3 SUN-8K-SG06LP1-EU-BM3
PV Input Data			
Max. PV Input Power (W)	11200	12160	12800
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)	200-425		
Max. Operating PV Input Current (A)	36+18+18		
Max. Input Short-Circuit Current (A)	54+27+27		
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+1+1		
Battery Input Data			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	40-60		
Max. Charging Current (A)	175	185	185
Max. Discharging Current (A)	175	185	185
Number of Battery Input	1		
AC Output Data			
Rated AC Output Active Power (W)	7000	7600	8000
Max. AC Output Apparent Power (VA)	7700	8360	8800
Rated AC Output Current (A)	30.5	33.1	34.8
Max. AC Output Current (A)	33.5	36.4	38.3
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	Intelligent Air Cooling		

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APPENDIX

Certificate Number: PCS-26-1203

Product Model	SUN-10K-SG06LP1-EU-CM3 SUN-10K-SG06LP1-EU-BM3	SUN-12K-SG06LP1-EU-CM3 SUN-12K-SG06LP1-EU-BM3
PV Input Data		
Max. PV Input Power (W)	16000	19200
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)	250-425	
Max. Operating PV Input Current (A)	36+18+18	36+36+18
Max. Input Short-Circuit Current (A)	54+27+27	54+54+27
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+1+1	3/2+2+1
Battery Input Data		
Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range (V)	40-60	
Max. Charging Current (A)	220	250
Max. Discharging Current (A)	220	250
Number of Battery Input	1	
AC Output Data		
Rated AC Output Active Power (W)	10000	12000
Max. AC Output Apparent Power (VA)	11000	13200
Rated AC Output Current (A)	43.5	52.2
Max. AC Output Current (A)	47.9	57.4
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	Intelligent Air Cooling	

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APPENDIX

Certificate Number: PCS-26-1203

Product Model	SUN-7K-SG06LP1-EU-TM3	SUN-7.5K-SG06LP1-EU-TM3	SUN-8K-SG06LP1-EU-TM3
PV Input Data			
Max. PV Input Power (W)	11200	12000	12800
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)	200-425		
Max. Operating PV Input Current (A)	36+18+18		
Max. Input Short-Circuit Current (A)	54+27+27		
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+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)	175	185	185
Max. Discharging Current (A)	175	185	185
Number of Battery Input	1		
AC Output Data			
Rated AC Output Active Power (W)	7000	7500	8000
Max. AC Output Apparent Power (VA)	7700	8250	8800
Rated AC Output Current (A)	30.5	32.7	34.8
Max. AC Output Current (A)	33.5	35.9	38.3
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(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-26-1203

Product Model	SUN-10K-SG06LP1-EU-TM3	SUN-12K-SG06LP1-EU-TM3
PV Input Data		
Max. PV Input Power (W)	16000	19200
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)	250-425	
Max. Operating PV Input Current (A)	36+18+18	36+36+18
Max. Input Short-Circuit Current (A)	54+27+27	54+54+27
No. of MPP Trackers/ No. of Strings MPP Tracker	3/2+1+1	3/2+2+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)	220	250
Max. Discharging Current (A)	220	250
Number of Battery Input	1	
AC Output Data		
Rated AC Output Active Power (W)	10000	12000
Max. AC Output Apparent Power (VA)	11000	13200
Rated AC Output Current (A)	43.5	52.2
Max. AC Output Current (A)	47.9	57.4
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(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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