## **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 : 2025-04-21

Date of Last Revision : --

Date of Expiry : 2028-04-20

Certificate Number : PCS-25-1083

Product : Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark :

Deye

Model(s) : See appendix on page 2

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

Testing Report : GZES250200225301, GZES250200225302, GZES250200225303 and GZES250200225304

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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## **APPENDIX**

Certificate Number: PCS-25-1083

Model	SUN-5K- SG01HP3-EU- DM2	SUN-6K- SG01HP3-EU- DM2	SUN-8K- SG01HP3-EU- DM2	SUN-10K- SG01HP3-EU- DM2	SUN-12K- SG01HP3-EU- DM2	
Battery Input						
Battery Type	SOSCIENT SOSCIENTISCS	Lithium-ion				
Battery Voltage Range (V)	is allowed the second	160-700				
Max. Charging Current (A)	37					
Max. Discharging Current (A)	37					
PV Input						
Max. PV Access power (W)	10000	12000	16000	20000	24000	
Max. PV Input Power (W)	8000	9600	12800	16000	19200	
Start-up Voltage (V)		180				
PV Input Voltage Range (V)		180-1000				
MPPT Voltage Range (V)		150-850				
Full Load MPPT Voltage Range (V)	195-850	195-850	260-850	362-850	450-850	
Rated PV Input Voltage (V)		600				
Max. Operating PV Input Current (A)	Constitution of the same of	18+18				
Max. Input Short-Circuit Current (A)	1050 E 1050 SE 2010 SC 105 SE	27+27				
No. of MPP Trackers	SONO CONTROL SONO CONTROL CONT	STATISTICS OF THE STATE OF THE	2			
AC Output						
Rated Output Power (W)	5000	6000	8000	10000	12000	
Max. Apparent Output Power (VA)	5500	6600	8800	11000	13200	
AC Output Nominal Current (A)	7.3	8.7	11.6	14.5	17.4	
Max. AC Current (A)	8.0	9.6	12.8	16.0	19.2	
Power Factor		0.8 leading to 0.8 lagging				
Rated Output Voltage (V)	1000 CHOST SEED TO SEE	230/400; 3L/N/PE				
Rated Output Frequency (Hz)	605. 0103650105010501050 6050 0805650105000	100000000000000000000000000000000000000	50			
General Data						
Operating Temperature Range		-40 °C to + 60 °C, >45 °C derating				
Topology		Non-Isolated				
Ingress Protection		IP65				
Protective Class		Class I				
Cooling Method	400 do	Natural Cooling Inte				





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