

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 : 

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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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	Lithium-ion				
Battery Voltage Range (V)	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)	18+18				
Max. Input Short-Circuit Current (A)	27+27				
No. of MPP Trackers	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)	230/400; 3L/N/PE				
Rated Output Frequency (Hz)	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	Natural Cooling				Intelligent air cooling

