

# 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 : 2024-03-23


Date of Last Revision : --

Date of Expiry : 2027-03-22

Certificate Number : PCS-24-1018

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : 

Model(s) : See appendix on page 2 and page 3

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

Testing Report(s) : GZES221102230803 Amendment 01 and GZES221102230804 Amendment 01

Test Standard(s) : IEC 61683:1999; IEC 60068-2-1:2007; IEC 60068-2-2:2007; IEC 60068-2-14:2009 ;  
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  
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Model	SUN-5K- SG01HP3-EU- AM2	SUN-6K- SG01HP3-EU- AM2	SUN-8K- SG01HP3-EU- AM2	SUN-10K- SG01HP3-EU- AM2
<b>PV Input</b>				
Max. input voltage(V)	1000			
Start-up operating voltage(V)	180			
Rated input voltage(V)	600			
Full power MPPT voltage range(V)	195~850	195~850	260~850	325~850
Max. input current(A)	20+20			
Max. short current(A)	30+30			
<b>Battery Input</b>				
Battery Type	Li-Ion			
Battery Voltage Range(V)	160~700			
Max. Charging/ Discharging Current(A)	30	30	37	37
Max. Charging/ Discharging Power (kW)	5.5	6.6	8.8	11.0
<b>AC Output</b>				
Nominal grid voltage(V)	230/400			
Nominal grid frequency(Hz)	50			
Rated AC power(kW)	5.0	6.0	8.0	10.0
Max. AC Apparent power(kVA)	5.5	6.6	8.8	11.0
Rated AC current(A)	7.3	8.7	11.6	14.5
Max. AC current(A)	8.0	9.6	12.8	16.0
Output power factor	0.8 leading to 0.8 lagging			
<b>General Data</b>				
Operating temperature range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Smart cooling			
Topology	Transformerless			



Model	SUN-12K-SG01HP3-EU-AM2	SUN-15K-SG01HP3-EU-AM2	SUN-20K-SG01HP3-EU-AM2	SUN-25K-SG01HP3-EU-AM2
<b>PV Input</b>				
Max. input voltage(V)	1000			
Start-up operating voltage(V)	180			
Rated input voltage(V)	600			700
Full power MPPT voltage range(V)	340~850	420~850	500~850	625~850
Max. input current(A)	26+20	26+20	26+26	26+26
Max. short current(A)	39+30	39+30	39+39	39+39
<b>Battery Input</b>				
Battery Type	Li-Ion			
Battery Voltage Range(V)	160~700			
Max. Charging/ Discharging Current(A)	37	37	37	50
Max. Charging/ Discharging Power (kW)	13.2	16.5	22.0	27.5
<b>AC Output</b>				
Nominal grid voltage(V)	230/400			
Nominal grid frequency(Hz)	50			
Rated AC power(kW)	12.0	15.0	20.0	25.0
Max. AC Apparent power(kVA)	13.2	16.5	22.0	27.5
Rated AC current(A)	17.4	21.8	29.0	36.3
Max. AC current(A)	19.2	24.0	31.9	39.9
Output power factor	0.8 leading to 0.8 lagging			
<b>General Data</b>				
Operating temperature range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Smart cooling			
Topology	Transformerless			

