

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 : 2024-3-8


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Date of Expiry : 2027-3-7

Certificate Number : PCS-24-1015

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) : GZES221102230801 Amendment 01 and GZES221102230802 Amendment 01

Test Standard(s) : IEC 61727:2004 and IEC 62116:2014



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- AM2	SUN-6K- SG01HP3-EU- AM2	SUN-8K- SG01HP3-EU- AM2	SUN-10K- SG01HP3-EU- AM2
PV Input				
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			
Battery Input				
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
AC Output				
Nominal grid voltage(V)	230/400			
Nominal grid frequency(Hz)	50/60			
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			
General Data				
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
PV Input				
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
Battery Input				
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
AC Output				
Nominal grid voltage(V)	230/400			
Nominal grid frequency(Hz)	50/60			
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			
General Data				
Operating temperature range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection degree	IP65			
Protective class	Class I			
Cooling method	Smart cooling			
Topology	Transformerless			

