


## VERIFICATION OF COMPLIANCE

No.:	GZES2211022308PV01A01
Applicant:	<b>Ningbo Deye Inverter Technology Co., Ltd.</b> No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China
Manufacturer:	<b>Ningbo Deye Inverter Technology Co., Ltd.</b> No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China
Product Name:	Hybrid Inverter
Product Description:	Three Phase Hybrid Inverter
Model No.:	SUN-5K-SG01HP3-EU-AM2, SUN-6K-SG01HP3-EU-AM2, SUN-8K-SG01HP3-EU-AM2, SUN-10K-SG01HP3-EU-AM2, SUN-12K-SG01HP3-EU-AM2, SUN-15K-SG01HP3-EU-AM2, SUN-20K-SG01HP3-EU-AM2, SUN-25K-SG01HP3-EU-AM2
Trade Mark:	
Rating:	See page 2 and page 3
Protection against Electric Shock:	Class I
Additional Information (if any):	IP 65 Software version: MAIN: Ver 3001-1038-1C08
Sufficient samples of the product have been tested and found to be in conformity with	
Test Standard:	See page 3
as shown in the	
Test Report Number(s):	GZES221102230801 Amendment 01, GZES221102230802 Amendment 01

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

  
David Guo  
Technical Manager  
SGS-CSTC



2024-03-07

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services which can be accessible at <https://www.sgs.com/en/terms-and-conditions>.

Member of SGS Group (Société Générale de Surveillance)

No.:

GZES2211022308PV01A01

Other information added:

Rating:

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)	50/60			
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			
<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			

  
 David Guo  
 Technical Manager  
 SGS-CSTC



2024-03-07

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services which can be accessible at <https://www.sgs.com/en/terms-and-conditions>.

Member of SGS Group (Société Générale de Surveillance)

No.: GZES2211022308PV01A01

Other information added:

Rating:

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)	50/60			
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			
<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			

Test Standard: IEC 62116:2014 Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.  
IEC 61727:2004 Photovoltaics (PV) systems - Characteristics of the utility interface.

David Guo  
Technical Manager  
SGS-CSTC



2024-03-07

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services which can be accessible at <https://www.sgs.com/en/terms-and-conditions>.

Member of SGS Group (Société Générale de Surveillance)