Certificate of Conformity

Certificate Number: CN-PV-230126R2

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City,China
Product:	Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	HYD 6000-EP, HYD 5500-EP, HYD 5000-EP, HYD 4600-EP, HYD 4000-EP, HYD 3680-EP, HYD 3000-EP
Brand Name<s>:	SOFAR
Product Complies with:	EN 50549-1: 2019, Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	231120119GZU-003, 11 Dec., 2023

According to Annex H of the standard EN 50549-1:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided, that all settings as provided by the DSO and the responsible party are complied with.

Replaces certificate CN-PV-230126R1 dated 22 August 2023

Additional information in Appendix.

Signature

Certification Manager: Grady Ye

Date: 13 December 2023

PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230126R2

Model	HYD 3000-EP	HYD 3680-EP	HYD 4000-EP	HYD 4600-EP	HYD 5000-EP	HYD 5500-EP	HYD 6000-EP
Max. PV Input Voltage [d.c.V]	600						
MPPT operating voltage range [d.c.V]	85-550						
Number of MPP trackers	2						
Max. input current per MPPT [d.c.A]	16/16						
Max. PV Isc [d.c.A]	22.5/22.5						
Battery Type	Lead-acid, Lithium-ion						
Battery Voltage Range [d.c.V]	42-58						
Max. Charging Current [d.c.A]	75	80	85	100	100	100	100
Max. Discharging Current [d.c.A]	75	80	85	100	100	100	100
Max. Charging & Discharging Power [W]	3750	4000	4250	5000	5000	5000	5000
Nominal Grid voltage [a.c.V]	230						
Nominal Output Voltage (backup) [a.c.V]	230						
Rated Output Power[W]	3000	3680	4000	4600	5000	5000	6000
Rated Output Apparent Power [VA]	3000	3680	4000	4600	5000	5000	6000
Max.Output Apparent Power [VA]	3300	3680	4400	4600	5000	5500	6000
Rated Output Current [a.c.A]	13.0	16.0	17.4	20.0	21.7	21.7	26.1
Max. output current [a.c.A]	14.3	16.0	19.1	20.0	21.7	23.9	26.1
Max AC current from utility grid [a.c.A]	29.3	33.4	35.9	41.7	43.5	43.5	43.5

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Nominal Grid Frequency	50/60Hz						
Power Factor	1 (adjustable +/-0.8)						
Nominal AC off grid power [W]	3000	3680	4000	4600	5000	5000	5000
Backup Max. current [a.c.A]	13.0	16.0	17.4	20.0	21.7	21.7	21.7
Backup Max. Apparent Power [VA]	3000	3680	4000	4600	5000	5000	5000
Ingress Protection	IP 65						
Protective Class	Class I						
Operating temperature range	-30 ~ +60℃						
Software version	V000001						

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