


# Certificate of Conformity

Certificate Number: CN-PV-190091

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

Applicant Name & Address:	Shenzhen SOFAR SOLAR Co., Ltd. 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, China
Product Description:	Hybrid inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	HYD 6000-ES, HYD 5000-ES, HYD 4000-ES, HYD 4600-ES HYD 3600-ES, HYD 3000-ES
Brand Name:	SOFAR SOLAR
Specification/Standard:	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 Compliant with COMMISSION REGULATION (EU) 2016/631 (NC RfG) Type approval for type B
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
Test Report Number:	190430037GZU-001

Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**

**Date: 20 December 2019**

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190091.

Ratings & Principle Characteristics:

Model	HYD 3000-ES	HYD 3600-ES	HYD 4000-ES	HYD 4600-ES	HYD 5000-ES	HYD 6000-ES
Max. DC Input Voltage	600 d.c.V					
Max. PV Isc	2 X 15 d.c.A					
Battery Type	Lead-acid, Lithium-ion					
Battery Voltage Range	42-58 d.c.V					
Max. Charging Current	65 d.c.A					
Max. Discharging Current	70 d.c.A					
Max. Charging & Discharging Power	3000VA					
Nominal Grid voltage	230 a.c.V					
Nominal Output Voltage (backup)	230 a.c.V					
Max. output current	13.7 a.c.A	16 a.c.A	18.2 a.c.A	21.0 a.c.A	22.8 a.c.A	27.3 a.c.A
Nominal Grid Frequency	50Hz					
Power Factor	1 (adjustable +/-0.8)					
Nominal output power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA

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Ratings &  
Principle  
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Model	HYD 3000 -ES	HYD 3600 -ES	HYD 4000 -ES	HYD 4600 -ES	HYD 5000 -ES	HYD 6000 -ES
Nominal output power for charging battery	3300VA					
Backup Rated current	13.2 a.c.A					
Backup Rated Apparent Power	3000VA					
Ingress Protection	IP 65					
Protective Class	Class I					
Operating temperature range	-25 ~ +60°C					
Software Version	V2.00					

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