


Name of Testing Laboratory : SGS tecnos S.A.
Applicant : C/ Trespaderne, 29 - Edificio Barajas 128042 MADRID (Spain)
Hired by : Shenzhen SOFAR SOLAR Co., Ltd.
Address : 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen City, Guangdong Province, P.R. China

Date (s) of performance of tests : 24/04/2019 till 29/04/2019

Test item description..... : Hybrid Inverter (Single Phase Inverter)
Status and date of receipt : N/A
Manufacturer : Shenzhen SOFAR SOLAR Co., Ltd.

Trade Mark : 

Model / Type Reference... .. : HYD 6000-ES
Serial Number..... : SM1ES060JCS423
Firmware Version... .. : V1.60

Ratings..... : DC input: 90-580V Max.2x15A
 AC output: 230Vac, 50Hz, Max.27.3A, 6000VA


Applied Specifications : Standard:
 IEC 61683: 1999

Test Results : The test results obtained refer only to the samples tested, which are the object of this report, considering the most unfavorable values of the test and verifications carried out. The uncertainties of measurement associated to the quantities determined during the tests are in the laboratory available to the applicant.

Conclusion : According to the test results, the sample tested is found in CONFORMANCE with the requirements stated in the specifications applied

Note: The declaration of conformity has been evaluated taking account the IEC Guide 115.

Madrid, May 23th, 2019

Tested by:	Reviewed by:
Project Engineer	Technical Reviewer
 ROGER HU	 JACOBO TÉVAR

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Miembro del Grupo SGS (Société Générale de Surveillance)

General Producto Information:

Model Number	HYD 6000-ES	HYD 5000-ES	HYD4000-ES	HYD 3600-ES	HYD 3000-ES
Max. input voltage	600Vd.c.				
Max. input current	2 x 15.0 A _{dc}	2 x 15.0A _{dc}	2 x 15.0 A _{dc}	2 x 15.0 A _{dc}	2 x 15.0 A _{dc}
MPPT voltage range	90-580Vd.c.				
Rated grid voltage	230Va.c.				
Rated grid frequency	50Hz				
Rated output power	6kW	5kW	4kW	3.68kW	3kW
Max.output current	27.3Aa.c.	22.8Aa.c.	18.2Aa.c.	16Aa.c.	13.7Aa.c.
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-25°C~60°C				
Ingress protection	IP65				
Protective class	Class I				

Serial Number: SM1ES060JCS423 (The Equipment parameters are changed by software)

Firmware version: V1.60