

Certificate of Conformity

Certificate Number: 181126070GZU-001

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. This certificate is part of the full test report<s> and should be read in conjunction with it ;

Applicant Name & Address:	Havells India Ltd. QRG Towers, 2D,Sector 126, Noida Expressway, NOIDA- 201304, INDIA
Product Description:	PV inverter
Ratings & Principle Characteristics:	See Annex to Test Certificate of Conformity
Models:	enviro GT i3000, enviro GT i2700, enviro GT i2200, enviro GT i1600, enviro GT i1100
Relevant Standards	IEC 60068-2-1:2007, Environmental testing – Part 2-1: Tests- Test A: Cold IEC 60068-2-2:2007, Environmental testing – Part 2-2: Tests- Test B: Dry heat IEC 60068-2-14:2009, Environmental testing – Part 2-14: Tests- Test N: Change of temperature IEC 60068-2-30:2005, Environmental testing – Part 2-30: Tests- Test Db: Damp heat, cyclic(12h +12h cycle) IEC 61683: 1999, Photovoltaic systems – Power conditioners – Procedure for measuring efficiency
Certificate Issuing Office:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Date of Tests:	26 Nov., 2018 – 11 Dec., 2018
Test Report Number(s):	181126070GZU-001

Additional information in Appendix.



Signature

Name: Grady Ye

Position: Manager

Date: 13 Dec 2018

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APPENDIX: Certificate of Conformity

This is an Annex to Certificate of Conformity with Certificate/Report Number(s): 181126070GZU-001; The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

Input voltage rang: 100-500 V (for enviro GT i3000, enviro GT i2700, enviro GT i2200L); 90-450 V (for enviro GT i1600, enviro GT i1100)
MPPT voltage range with full power output: 230-500 V (for enviro GT i3000); 200-500 V (for enviro GT i2700); 170-500 V (for enviro GT i2200L); 165-450 V (for enviro GT i1600); 110-450 V (for enviro GT i1100)
Max. input current: 13 A (for enviro GT i3000, enviro GT i2700, enviro GT i2200); 10 A (for enviro GT i1600, enviro GT i1100)
Nominal output voltage: 230 V
Max. output current: 13 A (for enviro GT i3000); 11.5 A (for enviro GT i2700); 9.5 A (for enviro GT i2200); 7 A (for enviro GT i1600); 4.5 A (for enviro GT i1100)
Nominal frequency: 50 Hz
Max. output power: 2800 W (for enviro GT i3000); 2500 W (for enviro GT i2700); 2000 W (for enviro GT i2200); 1500 W (for enviro GT i1600); 1000 W (for enviro GT i1100)
Ingress protection: IP65
Operating temperature range: -25~60°C

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