

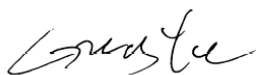
Certificate of Conformity

Certificate Number: 181126071GZU-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 i20000T, enviro GT i17000T, enviro GT i15000T, enviro GT i10000T
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):	181126071GZU-002

Additional information in Appendix.



Signature

Name: Grady Ye

Position: Manager

Date: 13 Dec 2018



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. The observations and test/inspection results referenced in this Certificate are relevant only to the sample tested/inspected. This Certificate by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Certificate of Conformity

This is an Annex to Certificate of Conformity with Certificate/Report Number(s): 181126071GZU-001; The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

Maximum d.c. input voltage: 1000 V
Input voltage rang: 250-960 V
MPPT voltage range with full power output: 430-850 V(for enviro GT i20000T); 420-850 V (for enviro GT i17000T); 370-850 V(for enviro GT i15000T); 350-850 V(for enviro GT i10000T)
Max. input current: 2×24 A (for enviro GT i20000T); 2×21 A (for enviro GT i17000T, enviro GT i15000T); 2×15 A (for enviro GT i10000T)
Max. PV Isc: 2×30 A (for enviro GT i20000T); 2×27 A (for enviro GT i17000T, enviro GT i15000T); 2×20 A (for enviro GT i10000T)
Nominal output voltage: 3/N/PE230V/400V
Max. output current: 3×29 A (for enviro GT i20000T); 3×25 A (for enviro GT i17000T); 3×22 A (for enviro GT i15000T); 3×15 A (for enviro GT i10000T)
Nominal frequency: 50 Hz
Max. output power: 20000 W (for enviro GT i20000T); 17000 W (for enviro GT i17000T); 15000 W (for enviro GT i15000T); 10000 W (for enviro GT i10000T)
Ingress protection: IP65
Operating temperature range: -25~60℃
Software version:V1.00

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