

# Test Verification of Conformity

Verification Number: 181126071GZU-003

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Havells India Ltd.  QRG Towers, 2D, Sector 126, Noida Expressway, NOIDA- 201304, INDIA
Product Description:	PV inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	enviro GT i20000T, enviro GT i17000T, enviro GT i15000T, enviro GT i10000T
Brand Name(s):	<b>HAVELLS</b>
Standard(s)/Directive(s):	See Appendix: Test Verification of Conformity
Verification Issuing Office Name & Address:	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
Test Report Number(s):	181126071GZU-005, 181126071GZU-006

Additional information in Appendix

*Grady Ye*



**Signature**

**Name: Grady Ye**

**Position: Manager**

**Date: 13 Dec 2018**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 181126071GZU-003

### Ratings & Principle 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℃

### Standard(s)/Directive(s):

IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements  
IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters  
Low Voltage Directive 2014/35/EU

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