


Test Verification of Conformity

Verification Number: 220112101GZU-VOC001

On the basis of the referenced test reports, sample 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 reports and should be read in conjunction with them.

Once compliance with all product relevant  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:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	Enviro Gti 3000D-NG, Enviro Gti 3600D-NG, Enviro Gti 4000D-NG, Enviro Gti 4600D-NG, Enviro Gti 5000D-NG, Enviro Gti 5000D-NG-A, Enviro Gti 6000D-NG
Brand Name:	HAVELLS
Relevant Standards/Directives:	See Appendix: Test Verification of Conformity
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	20 Jan 2021 – 02 Mar 2021
Test Report Number(s):	220112101GZU-001, 220112101GZU-002
Additional information in Appendix.	



Signature

Name: Tommy Zhong

Position: Technical Manager

Date: 09 March 2022

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220112101GZU-VOC001

Ratings & Principle Characteristics:

MODEL	Enviro Gti 3000D-NG	Enviro Gti 3600D-NG	Enviro Gti 4000D-NG	Enviro Gti 4600D-NG
Input (DC)				
Max. input voltage	600V			
Rated input voltage	380V			
MPPT operating voltage range	80V~550V			
Full power MPPT voltage range	200V~500V			
Max. input MPPT current	15A/15A			
Max. input short circuit current per MPPT	22.5A/22.5A			
Output (AC)				
Rated power	3000W	3680W	4000W	4600W
Max. AC power	3300VA	3680VA	4400VA	4600VA
Rated output current	13.6A	16A	18.2A	21A
Max output current	15A	16A	20A	23A
Nominal grid voltage	230Vac			
Nominal frequency	50Hz/60Hz			
Power factor	1 default (+/-0.8 adjustable)			
Ambient temperature range	-30~+60°C			
Degree of protection	IP65			
Software Version	V000001			



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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220112101GZU-VOC001

Ratings & Principle Characteristics:

MODEL	Enviro Gti 5000D-NG	Enviro Gti 5000D-NG-A	Enviro Gti 6000D-NG
Input (DC)			
Max. input voltage	600V		
Rated input voltage	380V		
MPPT operating voltage range	80V~550V		
Full power MPPT voltage range	210V~500V	260V~500V	
Max. input MPPT current	15A/15A		
Max. input short circuit current per MPPT	22.5A/22.5A		
Output (AC)			
Rated power	5000W	5000W	6000W
Max. AC power	5500VA	5000VA	6000VA
Rated output current	22.7A	21.7A	27.3A
Max output current	25A	21.7A	29A
Nominal grid voltage	230Vac		
Nominal frequency	50Hz/60Hz		
Power factor	1 default (+/-0.8 adjustable)		
Ambient temperature range	-30~+60°C		
Degree of protection	IP65		
Software Version	V000001		

Relevant Standards/Directives

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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