


# Test Verification of Conformity

Verification Number: 220112106GZU-VOC001

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  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.<br>QRG Towers, 2D, Sector 126, Noida Expressway, NOIDA – 201304, INDIA.   |
| Product Description:                        | Solar Grid-tied Inverter   |
| Models/Type References:                     | Enviro Gti 3000D-NG, Enviro Gti 3600D-NG, Enviro Gti 4000D-NG,<br>Enviro Gti 4600D-NG, Enviro Gti 5000D-NG, Enviro Gti 5000D-NG-A,<br>Enviro Gti 6000D-NG  |
| Ratings & Principle Characteristics:        | See Appendix   |
| Brand Name:                                 | <b>HAVELLS</b>   |
| Relevant Standards/Directives:              | EN 61000-6-2:2005<br>EN 61000-6-3:2007+A1:2011<br>EN IEC 61000-3-2:2019<br>EN 61000-3-3:2013+A1:2019<br>EN IEC 61000-3-11:2019<br>EN 61000-3-12:2011<br>EMC Directive 2014/30/EU                           |
| Verification Issuing Office Name & Address: | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch<br>Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2.<br>Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China |
| Date of Tests:                              | -  |
| Test Report Number(s):                      | 220112106GZU-001   |
| Remark:                                     | Remark: This verification will replace the former one issued on 28-March-2022 for the reason of adding four EN standards.  |
| Additional information in Appendix.         |  |



Signature

Name: Sky Zhu

Position: Team Leader

Date: 01 April 2022

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# APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220112106GZU-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                       |                       |                     |                     |
| 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                       |                       |                     |                     |



**Signature**

**Name: Sky Zhu**  
**Position: Team Leader**  
**Date: 01 April 2022**

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