



VERIFICATION OF COMPLIANCE

No.: GZES2302002064PV02

Applicant: Havells India Ltd.
QRG Tower, 2D, Sector-126, Expressway, Noida-201304-
U.P.(INDIA)

Manufacturer: Havells India Ltd.
QRG Tower, 2D, Sector-126, Expressway, Noida-201304-
U.P.(INDIA)

Product Name: Solar Grid-tied Inverter

Product Description: Three Phase Inverter

Model No.: enviro GTi100KT-NG, enviro GTi110KT-NG.

Trade Mark: **HAVELLS**

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 66

Firmware version: ARM V020010; DSPS V020010; DSPM V020010;

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 2
as shown in the
Test Report Number(s): GZES230200206403, GZES230200206404

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

David Guo
Senior Technical Manager
SGS-CSTC



2023-02-24

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Other information added :
Ratings

Model	enviro GTi100KT-NG	enviro GTi110KT-NG
DC Input		
Max. DC voltage	1100 V	
Start-up operating voltage	200 V	
MPPT voltage range	180 V~1000 V	
Full power MPPT voltage range	550 V-850 V	
Max. input current	10*32 A	
Max. input short circuit current	10*50 A	
AC Output		
Rated AC Output power	100 kW	110 kW
Max. AC Output power	110 kVA	121 kVA
Max. output current	160 A	175 A
Nominal grid voltage	3/N/PE, 230 / 400 Vac	
Nominal output frequency	50 Hz	
Output power factor	1 default (adjustable +/-0.8)	
Operating temperature range	-30°C ~60°C	
Ingress protection	IP66	
Protective class	Class I	

Test Standards: IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.
IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.
IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.
IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.


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