



**HAVELLS**

**enviro**  
HARNESSING LIGHT. HARVESTING ENERGY.

# LET THE SUN POWER YOUR ROOF AND BUSINESS



**HAVELLS SOLAR GRID-TIE INVERTER 1 kW TO 255 kW**

# TECHNICAL SPECIFICATION OF THREE PHASE - NG SERIES

| DATASHEET                                 | Enviro GTi<br>25 KT-NG  | Enviro GTi<br>30 KT-NG | Enviro GTi<br>40 KT-NG | Enviro GTi<br>50 KT-NG |
|---|---|------------------------|------------------------|------------------------|
| <b>Input (DC)</b>                         |   |                        |                        |                        |
| Recommended Max. PV input power           | 37500 Wp  | 45000 Wp               | 60000 Wp               | 75000 Wp               |
| Max. DC power for single MPPT             | 20000 Wp  |                        |                        |                        |
| Number of MPP trackers                    | 3   | 3                      | 4                      | 4                      |
| Number of DC inputs                       | 6   | 6                      | 8                      | 8                      |
| Max. input voltage                        | 1100 V  |                        |                        |                        |
| Start-up voltage                          | 200 V   |                        |                        |                        |
| Rated input voltage                       | 620 V   | 620 V                  | 620 V                  | 620 V                  |
| MPPT operating voltage range              | 180 V -1000 V   |                        |                        |                        |
| Full power MPPT voltage range             | 480 V - 850 V   | 480 V - 850 V          | 480 V - 850 V          | 540 V - 850 V          |
| Max. Input MPPT current                   | 3*40 A  |                        | 4*40 A                 |                        |
| Max. input short circuit current per MPPT | 3*50 A  |                        | 4*50 A                 |                        |
| <b>Output (AC)</b>                        |   |                        |                        |                        |
| Rated Power                               | 25000 W   | 30000 W                | 40000 W                | 50000 W                |
| Max. AC Power                             | 28000 VA  | 34000 VA               | 44000 VA               | 55000 VA               |
| Rated output current                      | 37.9 A  | 45.5 A                 | 60.6 A                 | 75.8 A                 |
| Max. Output current                       | 42.4 A  | 51.5 A                 | 66.7 A                 | 83.3 A                 |
| Nominal grid voltage                      | 3 / N / PE, 220 / 380 Vac, 230 / 400 Vac, 240 / 415 Vac                         |                        |                        |                        |
| Grid voltage range                        | 310 Vac - 480 Vac ( According to local standard )                               |                        |                        |                        |
| Nominal frequency                         | 50 Hz / 60 Hz   |                        |                        |                        |
| Grid frequency range                      | 45 Hz - 55 Hz ( According to local standard )                                   |                        |                        |                        |
| Active power adjustable range             | 0~100%  |                        |                        |                        |
| THDi                                      | <3%   |                        |                        |                        |
| Power factor                              | 1 ( adjustable+/-0.8 )  |                        |                        |                        |
| <b>Efficiency</b>                         |   |                        |                        |                        |
| Max. efficiency                           | 98.60 %   | 98.60 %                | 98.80 %                | 98.80 %                |
| European efficiency                       | 98.20 %   |                        |                        |                        |
| <b>Protection</b>                         |   |                        |                        |                        |
| DC Reverse Polarity Protection            | Yes   |                        |                        |                        |
| Anti-islanding protection                 | Yes   |                        |                        |                        |
| Leakage current protection                | Yes   |                        |                        |                        |
| Ground fault monitoring                   | Yes   |                        |                        |                        |
| PV-array string fault monitoring          | Yes   |                        |                        |                        |
| Anti reverse power function               | Yes   |                        |                        |                        |
| DC switch                                 | Yes   |                        |                        |                        |
| AFCI protection                           | Optional  |                        |                        |                        |
| Anti-PID function                         | Optional  |                        |                        |                        |
| Input/ output SPD                         | PV:Type II standard, AC:Type II standard  |                        |                        |                        |
| <b>Communication</b>                      |   |                        |                        |                        |
| Communication                             | RS485/USB/Bluetooth, Optional:WiFi /GPRS  |                        |                        |                        |
| <b>General Data</b>                       |   |                        |                        |                        |
| Ambient temperature range                 | -30 °C ~+60 °C  |                        |                        |                        |
| Self-consumption at night                 | <3 W  |                        |                        |                        |
| Topology                                  | Transformerless   |                        |                        |                        |
| Degree of protection                      | IP65  |                        |                        |                        |
| Allowable relative humidity range         | 0~100 %   |                        |                        |                        |
| Max. Operating altitude                   | 4000 m  |                        |                        |                        |
| Noise                                     | <60 dB  |                        |                        |                        |
| Weight                                    | 36 kg   |                        |                        | 37 kg                  |
| Cooling                                   | Fan   |                        |                        |                        |
| Dimension                                 | 585 mm x 480 mm x 220 mm  |                        |                        |                        |
| Display                                   | LCD   |                        |                        |                        |
| Standard warranty                         | 10 years  |                        |                        |                        |
| <b>Standard</b>                           |   |                        |                        |                        |
| EMC                                       | EN 61000-6-2, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12                        |                        |                        |                        |
| Safety standards                          | IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 60255 |                        |                        |                        |