



**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 5500 TX-NG	Enviro GTi 6000 TX-NG	Enviro GTi 8800 TX-NG	Enviro GTi 11000 TX-NG
<b>Input (DC)</b>				
Recommended Max. PV input power	7500 Wp	9000 Wp	12000 Wp	15000 Wp
Number of MPP trackers	2			
Number of DC inputs	1/1	1/1	1/1	1/1
Max. Input voltage	1100 V			
Start-up voltage	160 V			
Rated input voltage	650 V			
MPPT operating voltage range	140 V -1000 V			
Full power MPPT voltage range	240 V - 850 V	290 V - 850 V	380 V - 850 V	420 V - 850 V
Max. Input MPPT current	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A
Max. input short circuit current per MPPT	22.5 A / 22.5 A	22.5 A / 22.5 A	22.5 A / 22.5 A	22.5 A / 22.5 A
<b>Output (AC)</b>				
Rated Power	5000 W	6000 W	8000 W	10000 W
Max. AC Power	5500 VA	6600 VA	8800 VA	11000 VA
Max. Output current	8.3 A	10 A	13.3 A	16.7 A
Nominal grid voltage	3 / N / PE, 220 V / 380 Vac, 230 V / 400 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 default (adjustable+/-0. 8)			
<b>Performance</b>				
Max. efficiency	98.40 %	98.40 %	98.50 %	98.50 %
European efficiency	97.50%	97.50%	98.00%	98.00%
<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			
Input / output SPD	PV: type II standard, AC: type II standard			
<b>Communication</b>				
Standard communication mode	RS485/ USB/ Bluetooth, Optional: WiFi / GPRS			
<b>General Data</b>				
Ambient temperature range	-30 °C~+60 °C			
Self-consumption at night	<1 W			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0~100%			
Max. Operating altitude	4000 m			
Noise	<40 dB			
Weight	17 kg	17 kg	18 kg	18 kg
Cooling	Natural			
Dimension	430 mm x 385 mm x 82 mm			
Display	LCD			
Standard warranty	10 years			
<b>Standard</b>				
EMC	EN61000-3-2, EN61000-3-3,EN61000-3-11, EN61000-3-12,EN61000-6-1, EN61000-6-3			
Safety standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)			