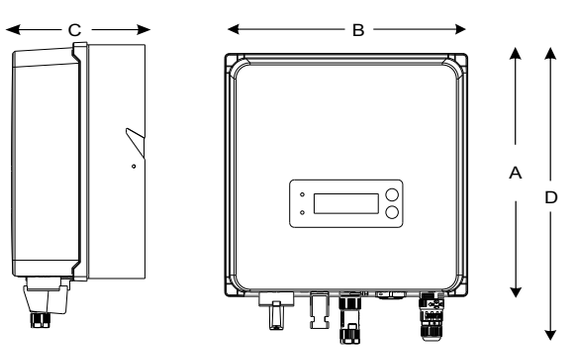
DC reverse polarity protection	Yes
Short circuit protection	Yes
Over current protection	Yes
Over voltage / Under voltage protection	Yes
Over frequency / Under frequency	Yes
Insulation resistance monitoring	Yes
Over voltage / Under voltage	Yes
Residual current detection	Yes
Surge protection	Type II SPD on AC and DC Side
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional

Topology	Transformerless
Consumption @ night (W)	<0.5
Operating temperature range	-25 °C to +60 °C
Cooling method	Natural convection
Relative humidity	0 to 100% non condensing
Max. operational altitude	4000m
Noise (dBA)	<30
Designed lifetime	>20 years
Warranty	7 years + 3 years additional if product is registered on app within 15 days of commissioning
Ingress protection	IP65
Dimensions (W*H*D)	256*302*142mm
Net weight (Kg)	4.4
Mechanical integration	Wall mountable

Safety	IS 16169 : 2019 / IEC 62116 : 2014, IS 16221 (part 2) : 2015 / IEC 62109-2 : 2011
Environmental	IEC 60529
Electrical	IS 17980 : 2022 / IEC 62891 : 2020, IEC 61000

Dimensions (All are in mm)



A: 255.78mm B: 255.78mm
C: 142.70mm D: 302.36mm

Ordering information

Product code	Description
GTI002X51PN243-X	Grid tie inverter - 1 phase / 2.5kW, without WiFi & GSM module - 17A without DC Switch
AC-S2W-GTI-2	WiFi module

