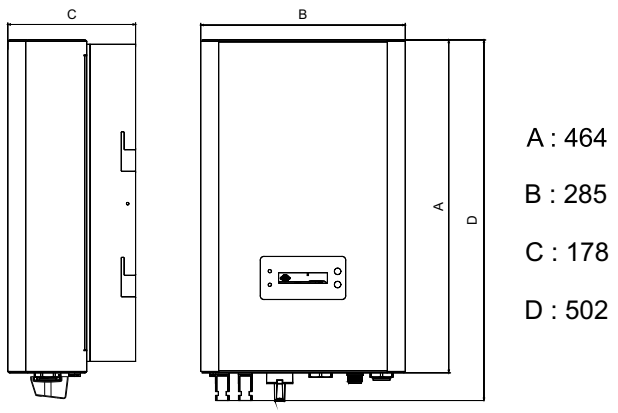
DC reverse polarity protection	Yes
Short circuit protection	Yes
Over current protection	Yes
Over voltage / Under voltage protection	Yes
Over frequency / Under frequency	Yes
Insulation resistance monitoring	Yes
Over voltage / Under voltage	Yes
Residual current detection	Yes
Surge protection	Type II SPD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

Topology	Transformerless
Consumption @ night (W)	<1
Operating temperature range	-25 °C to +60 °C
Cooling method	Natural convention
Relative humidity	0 to 100% non condensing
Max. operational altitude	4000m
Noise (dBA)	<30
Designed lifetime	<20 years
Warranty	7 years
Ingress protection	IP65
Dimensions mm (W*H*D)	285*502*178
Net weight (Kg)	11
Mechanical integration	Wall mountable

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

Dimensions (All are in mm)

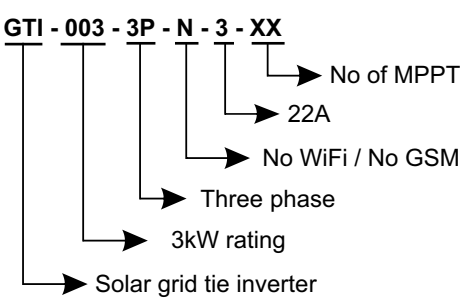


A : 464

B : 285

C : 178

D : 502

Ordering information

GTI0033PN401	Grid tie inverter - 3 phase / 3kW, without WiFi & GSM module - 22A
AC-S2W-GTI-2	WiFi module
AC-S2G-02	GSM module