



## SKAN GTI series product specifications

\* Disclaimer: All pictures shown are for illustrative purposes only. Actual product may vary due to product enhancements.

Particulars / Products	SKAN GTI1000	SKAN GTI2000	SKAN GTI3000	SKAN GTI4000	SKAN GTI5000
<b>Output (AC)</b>					
Active Power (W)	1000	2000	3000	4000	5000
Apparent Power (VA)	1000	2000	3000	4000	5000
Nominal AC Voltage (Vac)	230				
Grid voltage range	185 ~ 265				
PF	1				
Frequency Nom(Hz)	50				
Frequency range (Hz)	47 ~ 53				
Current harmonic distortion (THDi)	< 3%				
DC Injection	<0.5% at Rated Output Current				
No. of Conductors	3 Wire (L, N, PE)				
<b>Input (DC) - Solar panel string specifications</b>					
Recommended Solar panel power(W)	1000	2000	3000	4000	5000
No. of Strings	1			2	
Voc Max (Vdc)	600				
Start-up Voltage (Vdc)	>200				
MPPT Voltage Range (Vdc)	170 - 400				
MPP Voltage Range, Full Power (Vdc)	200-400				
Total Input Current (Idc)	< 18				
MPPT	Active MPPT				
No. of MPPTs	1				
Input Connection Type	2 pair MC4				

Particulars / Products	SKAN GTI1000	SKAN GTI2000	SKAN GTI3000	SKAN GTI4000	SKAN GTI5000
<b>Efficiency</b>					
MPPT efficiency	> 99%				
Max. efficiency	> 96%				
<b>Protection</b>					
Ground Fault Monitoring / Grid Monitoring	YES				
DC Reverse Polarity Protection	YES				
DC Over Current Limitation Protection	YES				
AC Short Circuit Protection	YES				
AC Over Voltage	YES				
AC Under Voltage	YES				
AC Current Limitation Protection	YES				
Inbuilt DC / AC Side Surge Protection	YES				
<b>Communication</b>					
LCD display	Yes				
Communications	RS485				
SCADA	Can be connected to internet through gate way				
Features	MPPT, Grid side OV and UV, DC side OV UV and surge protection, Frequency higher and lower cut off, AC side surge protection, EMI protection, Antilanding protection, Polarized PV connectors, Earth fault, residual current detection				

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## Safety/Standards – Certification in progress



Environmental Testing	IEC 60068-2 (1, 2,14,30)				
Efficiency Measurements	IEC 61683: 1999				
Product safety standard	IEC - 62109-1 (2010)		IEC - 62109-2 (2011)		
Grid Connectivity standard /Utility interface	IEC 61727:2004.				
Anti Islanding	IEC 62116:2008				
Ingress protection	IP 65				
Electromagnetic compatibility & Electro Magnetic Interference	IEC 61000-6-1:2007. IEC 61000-3-2:2006.		IEC 61000-6-3:2007. IEC 61000-3-3:2007.		

## General Data



Dimension (H/W/D)	367 x 420 x 157 mm				
Weight (kg)	<15				
Operating Temperature Range	0°C to + 60°C (Full Power 0°C to + 40°C)				
Relative Humidity	0~95%, Non-condensing				
Operating Elevation	< 2000 m				
Noise Level (Typical)	<35 dB (1m Front Panel)				
Note 1	In case PV Module is grounded (Negative / Positive Grounding), a separate Isolation Transformer with sufficient rating is required at the Grid interface of Inverter				
Note 2	Parallel Operation of Inverters is possible for large Power Plants.				
Note 3	Installing SPDs for PV and AC circuit is recommended for higher protection.				
Note 4	Also certification as per MNRE and different Electricity boards				