

On-Grid Inverter(IP66)



12~17kW 3P-On-Grid

Product Features

- High PV Input Power**

PV Input Power up to 15600W/22100W
- High Efficiency**

MPP Tracking Efficiency ≥99.9%

Max. Conversion Efficiency ≥97.5%

European Efficiency ≥98.2%
- High Solar Modules Adaptability**

Wide Input Voltage Range

Max. MPPT Input Current up to 18A/30A

Support 182 and 210 Solar Modules
- Solid Quality & Service**

IP66 Protection Design for Anti-Dust and Waterproof

5-Year Replacement

Model	IGT-12KTA	IGT-17KTA
Efficiency		
MPP Tracking Efficiency	99.9%	
Max. Conversion Efficiency	98.7%	
European Efficiency	98.2%	
PV Input		
Max. PV Input Power	15600W	22100W
Max. DC Input Voltage	1100V	
MPPT Voltage Range	180V~1000V	
Max. Input Current	18A/18A	18A/30A
MPP Trackers	2	
Max. Input String Number per MPPT	1/1	1/2
AC Output(On-Grid)		
Nominal Output Power	12000W	17000W
Max. Output Apparent Power	13200VA	18700VA
Nominal Output Voltage	230VAC/400VAC(3W+N+PE)	
Max. Output Current	20A	28.3A
Output Voltage Range	180VAC~280VAC(L-N)	
Nominal Frequency	50Hz/60Hz	
Output Frequency Range	45Hz~65Hz	
Power Factor	0.99	
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging	
Total Current Harmonic Distortion	<2%	
General		
Dimensions D*W*H	204mm*450mm*427mm	
Net Weight	15.3kg	18kg
Operating Temperature Range	-25°C~+60°C,>45°C Power Derating	
Max. Operating Altitude	4000m,>2000m Power Derating	
Communication	WIFI/RS485	
Power Consumption at Night	<1W	
Cooling Method	Intelligent Fan Cooling	
Noise	<45dB	
Authentication Level	IEC62109-1,IEC62109-2,IEC61683,IEC62116,IEC61727	
Protection		
Ingress Protection	IP66	
PV Reverse Protection	Yes	
Insulation impedance Detection	Yes	
Residual Current Monitoring	Yes	
Overvoltage Protection	Yes	
Overload Protection	Yes	
Short Circuit Protection	Yes	
Over Temperature Protection	Yes	
Surge Protection	DC: TYPE II,AC: TYPE III	