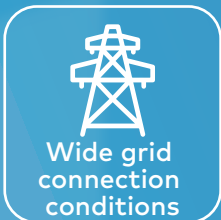




Grid-Tied Inverter

12kW 3P ON-GRID



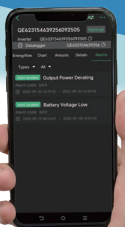
- ✓ 5 years replacement
- ✓ 5 years repair warranty



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Model	IGT-12KTA
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. Conversion Efficiency (PV)	98.7%
European Efficiency	98.1%
PV String Input	
Max. PV Input Power	15600W
Max. DC Input Voltage	1100V
MPPT Voltage Range	180V-1000V
Max. Input Current	18A/18A
Number of MPPT Trackers	2
Max. Input Strings Number per MPPT	1/1
AC Output	
Rated Output Power	12000W
Max. Output Apparent Power	13200VA
Nominal Output Voltage	230/400VAC
Max. Output Current	20A
Output Voltage Range	180~280VAC (L-N)
Rated Frequency	50/60Hz
Output Frequency Range	45~65Hz
Power Factor	>0.99
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging
Total Current Harmonic Distortion	<2%
General	
Ingress Protection	IP66
Dimensions D*W*H (mm)	204*450*427
Net Weight (kg)	15.3
Operating Temperature Range	-25~60°C, >45°C Power Derating
Max. Operating Altitude	4000m
Noise	< 45dB
Power Consumption At Night	<1W
Cooling Method	Intelligent Fan Cooling
Communication	WIFI/RS485
Authentication Level	IEC62109-1, IEC62109-2, IEC61683, IEC62116, IEC61727
Protection	
PV Reverse-Polarity Protection	Yes
Insulation Impedance Detection	Yes
Residual Current Monitoring	Yes
Grid Monitoring	Yes
Overvoltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC: TypeII, AC: TypeII