

XG 3-12kW

Three Phase

On-Grid Solar Inverter



High DC/AC ratio and output overload ability



I-V Scanning and intelligent diagnosis



IP66



Intelligent fault detection



4 MPPT



AFCI



	XG3KTR	XG4KTR	XG5KTR	XG6KTR	XG8KTR	XG9KTR	XG10KTR	XG11KTR	XG12KTR	
Input (DC)										
Max. Input Power	4.8kW	6.4kW	8kW	9.6kW	12.8kW	14.4kW	16kW	17.6kW	19.2kW	
Max. Input Voltage	1100V									
Start Voltage / Min. Operating Voltage	160V / 140V									
MPPT Voltage Range	140V ~ 1000V									
Number of MPP Trackers / String per MPPT	2 / 1									
Max. Current per MPPT	13A									
Output (AC)										
Max. Output Current	4.8A	6.4A	8A	9.6A	12.8A	14.4A	15.9A	17.5A	19.1A	
Rated Output Power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	
Max. Output Power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	9.9kVA	11kVA	12.1kVA	13.2kVA	
Rated Grid Frequency	50/60 Hz									
Rated Grid Voltage	230V / 400V, 3W+N+PE									
Power Factor	-0.8~+0.8% (adjustable)									
THDi	< 3% (at rated power)									
Efficiency										
Max. Efficiency	98.40%			98.70%						
European Efficiency	98.30%			98.50%						
MPPT Efficiency	99.90%									
Protection										
Protection	DC polarity reverse connection protection, DC input switch protection, DC surge protection, Isolation protection, output surge protection, Output short circuit protection, Grounding fault monitoring, Grid monitoring, Anti-islanding protection, RCD protection, PV string protection, ARC fault protection, ec.									
Communication										
Display	LED/LCD (Optional)									
Communication	Standard: RS485/ USB Optional: WIFI/GPRS/4G/LAN									
Standard Compliance										
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2015, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99									
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011									
General Data										
Dimensions (W x H x D)	430*380*130mm				430*380*150mm					
Weight	12kg				13.5kg					
Operating Temperature Range	-25° C ~ +60° C (derating above 45°C)									
Cooling Method	Natural Cooling									
Protection Degree	IP66									
Max. Operating Altitude	0 ~ 4000m (derating above 3000m)									
Relative Humidity	0 ~ 100%									
Topology	Transformerless									
Night Power Consumption	< 1W									
Warranty	5 years (Standard) / 10 years (Optional)									



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