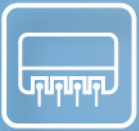


# XG 3-12kW

## Three Phase On-Grid Solar Inverter

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2 MPP Trackers



160% DC Input  
Oversizing



Smart I-V Curve  
Diagnosis Supported



DC & AC Type II SPD



Intelligent Fault  
Detection



IP66 Protection



AFCI Function  
(Optional)



	XG3KTR	XG4KTR	XG5KTR	XG6KTR	XG8KTR	XG9KTR	XG10KTR	XG11KTR	XG12KTR	
<b>Input (DC)</b>										
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	160V									
Rated Input Voltage	600V									
Full-load MPP Voltage Range	250V ~ 850V			320V ~ 850V		400V ~ 850V	450V ~ 850V		480V ~ 850V	
MPPT Voltage Range	140V ~ 1000V									
Number of MPP Trackers / String per MPPT	2 / 1									
Max. Current per MPPT	13A									
Max. Short Circuit Current per MPPT	16A									
<b>Output (AC)</b>										
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	50Hz / 60Hz									
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE									
Power Factor	>0.99 (0.8 leading~0.8 lagging)									
THDi	<3% (Rated Power)									
<b>Efficiency</b>										
Max. Efficiency	98.40%			98.70%						
European Efficiency	98.30%			98.50%						
MPPT Efficiency	99.90%									
<b>Protection</b>										
DC reverse polarity protection	Yes									
Anti-islanding protection	Yes									
AC short circuit protection	Yes									
Residual current monitoring unit	Yes									
Insulation resistance monitoring	Yes									
Ground fault monitoring	Yes									
Grid monitoring	Yes									
Surge protection	Type II									
AFCI protection	Optional									
<b>Communication</b>										
Display	LED / LCD (Optional)									
Communication	Standard: RS485 / USB Optional: WiFi / GPRS / Ethernet									
<b>Standard Compliance</b>										
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									
<b>General Data</b>										
Dimensions (W x H x D)	430 x 380 x 130 mm				430 x 380 x 150 mm					
Weight	12kg				13.5kg					
Operating Temperature Range	-25° C ~ +60° C									
Cooling Method	Natural									
Protection Degree	IP66									
Max. Operating Altitude	4000m									
Relative Humidity	0 ~ 100%									
Topology	Transformerless									
Night Power Consumption	<1W									
Warranty	5 years (Standard) / 10 years (Optional)									



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