



# XG 100-136kW

## Three Phase Grid-tied Solar Inverter



1.6X DC input overload  
1.1X AC output overload



I-V Scanning  
and intelligent  
diagnosis



IP66



Intelligent  
fault detection



12 MPPT



Anti-PID  
optional



	XG100KTR	XG110KTR	XG110KTR-C	XG136KTR-L
<b>DC input parameter</b>				
Max. DC input power	120kW	132kW	132kW	160kW
Max. DC input voltage	1100V			
Starting voltage / Min. operation voltage	250V / 180V			
MPPT Voltage range	180V ~ 1000V			
Number of MPPT / String per MPPT	9 / 2	10 / 2	12 / 2	12 / 2
Max. DC current per MPPT x Number of MPPT	26A x 9	26A x 10	26A x 12	26A x 12
<b>AC output parameter</b>				
Max. output power	110kVA	121kVA	121kVA	150kVA
Max. AC output current	158.8A	174.6A	174.6A	174.6A
Rated output power	100kW	110kW	110kW	136kW
Rated output voltage	230V / 400V		277V / 480V	
Power factor	-0.8 ~ +0.8 ((Adjustable)			
THDi	< 3% (Rated power)			
Rated AC voltage	230V / 400V, 3L + N + PE / 3L+ PE, 50Hz / 60Hz ± 5 (Adjustable)			277V/480V, 3L+N+PE/3L+PE, 50Hz/60±5Hz (Adjustable)
<b>Efficiency</b>				
Max. efficiency	98.70%			
Euro efficiency	98.30%			
MPPT efficiency	99.90%			
<b>Protection</b>				
Protection	DC switch, Input over current protection, Output over voltage protection, String fault detection, AC short circuit protection, AC output over current protection, Isolation protection, RCD detection, Surge protection, Anti-island protection, Over temperature protection, Grounding fault monitoring, DC II degree lightning protection (40KA), AC SPD, Grid monitoring; etc.			
<b>Display and communication</b>				
Display	LED / Bluetooth + App			
Interface	RS485 (Standard) / WiFi / Bluetooth (Optional) / USB (Standard) / DRM			
<b>Standard</b>				
Grid qualification	VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12, IEC 62109-1:2010			
Safety / EMC	VDE-AR-N4105, AS4777/3100, CQC			
<b>General parameter</b>				
Cooling	Smart cooling			
Protection degree	IP66			
Night self-consumption	< 1W			
Topology	Transformerless			
Operating temperature range	-30°C ~ +60°C (Derating above 45°C)			
Relative humidity	0 ~ 100%			
Highest altitude	≤ 4000m (Derating over 3000m)			
Dimension (W x H x D)	1050 x 660 x 330 mm			
Weight	95kg	98kg	101kg	
Warranty	5 years (Standard) / 10 years (Optional)			



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