

XG 100-136kW

Three Phase On-Grid Solar Inverter



High DC/AC
ratio and output
overload ability



I-V Scanning
and intelligent
diagnosis



IP66



Intelligent
fault detection



12 MPPT



Anti-PID
optional

invt



	XG100KTR	XG100KTR-F	XG110KTR	XG110KTR-F	XG136KTR-L	XG136KTR-LF	XG136KTR-X	XG136KTR-XF
Input (DC)								
Max. Input Power	150kW				160kW			
Max. Input Voltage	1100V							
Start Voltage / Min. Operating Voltage	250V / 180V							
MPPT Voltage Range	180V ~ 1000V							
Number of MPP Trackers / String per MPPT	9 / 2		10 / 2		12 / 2			
Max. Current per MPPT	26A	30A	26A	30A	26A	30A	26A	30A
Output (AC)								
Max. Output Current	158.8A		174.6A		174.6A		160.4A	
Rated Output Current	144.3A		158.8A		163.5A		145.4A	
Rated Output Power	100kW		110kW		136kW			
Max. Apparent Power	110kVA		121kVA		150kVA			
Rated Grid Frequency	50Hz / 60Hz (adjustable)							
Rated Grid Voltage	230V / 400V, 3L+N+PE/3L+PE				277V / 480V, 3L+N+PE/3L+PE		311V / 540V, 3L+N+PE/3L+PE	
Power Factor	-0.8 ~ +0.8 (adjustable)							
THDi	< 3% (at rated power)							
Efficiency								
Max. Efficiency	99.00%							
European Efficiency	98.50%							
MPPT Efficiency	99.90%							
Protection								
Protection	DC switch, Anti-islanding protection, Input over current protection, Output over current protection, DC reverse connection protection, String fault protection, Surge protection, Insulation resistance detection, AC leakage current detection, PID repair, Low voltage ride through, Arc fault detection, Night SVG function, etc.							
Communication								
Display	LED / LCD / Bluetooth+App							
Communication	standard: RS485 / USB optional: WiFi / DRM / Bluetooth							
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)	1050 x 660 x 330 mm							
Weight	95kg		98kg		101kg			
Operating Temperature Range	-30° C ~ +60° C (derating above 45°C)							
Cooling Method	Smart Cooling							
Protection Degree	IP66							
Noise	≤ 70dB							
Max. Operating Altitude	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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