



# XG 100-136kW

## Three Phase On-Grid Solar Inverter



High DC/AC ratio and output overload ability



I-V Scanning and intelligent diagnosis



IP66



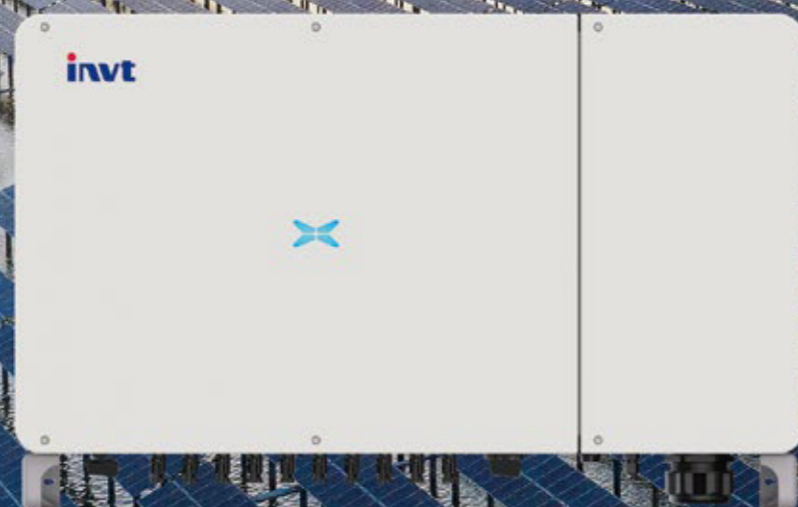
Intelligent fault detection



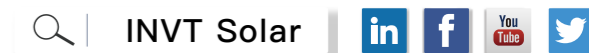
12 MPPT



Anti-PID optional



	XG100KTR	XG100KTR-F	XG110KTR	XG110KTR-F	XG136KTR-L	XG136KTR-LF	XG136KTR-X	XG136KTR-XF
<b>Input (DC)</b>								
Max. Input Power	150kW			160kW				
Max. Input Voltage				1100V				
Start Voltage				250V				
Rated Input Voltage	620V					730V		780V
Full-load MPP Voltage Range	530V ~ 850V					560V ~ 850V		
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
Max. Short Circuit Current per MPPT				40A				
<b>Output (AC)</b>								
Max. Output Current	158.8A				174.6A		160.4A	
Rated Output Power	100kW		110kW		136kW			
Max. Output Power	110kVA		121kVA		150kVA			
Rated Grid Frequency (Range)	50Hz / 60Hz (45Hz~55Hz / 55Hz~65Hz)							
Rated Grid Voltage (Range)	230Vac / 400Vac (360Vac~440Vac), 3L / N / PE, 3L / PE				277Vac / 480Vac (432Vac~528Vac), 3L / N / PE, 3L / PE		311Vac / 540Vac (486Vac~594Vac), 3L / N / PE, 3L / PE	
Power Factor	> 0.99 (0.8 leading ~ 0.8 lagging)							
THDi	< 3% (Rated Power)							
<b>Efficiency</b>								
Max. Efficiency	98.70%							
European Efficiency	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							
PV string monitoring	Yes							
Surge protection	Type II							
AFCI protection	Optional							
PID recovery function	Optional							
SVG function	Optional							
<b>Communication</b>								
Display	LED / LCD / Bluetooth + App							
Communication	Standard: RS485 / USB Optional: WIFI / DRM / Bluetooth							
<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 4777.2:2020, 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)			1050 x 660 x 330 mm					
Weight	95kg		98kg				101kg	
Operating Temperature Range	-30°C ~ +60°C							
Cooling Method	Smart Cooling							
Protection Degree	IP66							
Max. Operating Altitude	4000m							
Relative Humidity	0 ~ 100%							
Topology	Transformerless							
Night Power Consumption	< 1W							



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