

# XG100-136kW

## Three Phase On-Grid Solar Inverter



- 9-12 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 150% DC Input Oversizing
- Maximum efficiency of 98.7%. Wide MPPT voltage range: 180V-1000V
- Compatible with high power modules

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: ac-side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WiFi/DRM/Bluetooth optional): remote monitoring and operation via PC or mobile phones

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

**Efficient  
Higher revenue**

**Intelligent  
Simple O&M**

**Reliable  
Worry free**

	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	9		10		12			
String per MPPT					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					50Hz / 60Hz			
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE, 3L / PE				277Vac / 480Vac, 3L / N / PE, 3L / PE		311Vac / 540Vac, 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 / WiFi+App			
Communication					Standard: RS485 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			