

# XG100-136KTR

## Three Phase On-Grid Solar Inverter



### Efficient Higher Revenue

- 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



### Intelligent Simple O&M

- 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



### Reliable Worry Free

- 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

	XG100KTR-F	XG110KTR-F	XG136KTR-LF	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	
Number of string per MPPT			2	
Max. Current per MPPT			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	
<b>Communication</b>				
Display			LCD / LED+APP	
Communication			Standard: RS485 Optional: WIFI / DRM / Bluetooth	
<b>Standard Compliance</b>				
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC/EN 61000-6-2/4, EN50549, IEC61727/IEC62116, CEI 0-21/CEI 0-16, C10/C11, VDE 4105, VDE 0124, G99, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, NRS097-2-1, NB/T 32004			
<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 forced air cooling	
Protection Degree			IP66	
Max. Operating Altitude			4000m	
Relative Humidity			0 ~ 100%	
Topology			Transformerless	
Night Power Consumption			<1W	