



Three Phase On-Grid Solar Inverter

Single Phase On-Grid Solar Inverter
XG100-136KTR

Efficient Higher Revenue

2 MPP Trackers , Max, input current per string: 20A
150% DC Input Oversizing
Compatible with high power modules

Reliable Worry Free

IP66 Protection Degree: support outdoor installation
AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

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/4G: remote monitoring and operation via PC or mobile phones

Single Phase On-Grid Solar Inverter

	XG100KTR-F	XG110KTR-F	XG136KTR-LF	XG136KTR-XF
Input (DC)				
Max. Input power	150kW		150kW	
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			
Output(AC)				
Max. Output Current	158.8A		174.6A	160.4A
Rated Output power	100kw	100kw	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)			
Efficiency				
Max. Efficiency	98.70%			
European Efficiency	98.50%			
MPPT Efficiency	99.90%			
Protection				
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			
AFCL protection	Optional			
Communication				
Display	LCD / LED+APP			
Communication	Standard: RS485 Optional: WiFi/DRM/Bluetooth			
Standard Compliance				
Certification	IEC/EN 62109-1/2,IEC/EN 61000-6-1/3,IEC/EN 61000-6-2/4,EN50549,EC61727/EC62116 CELO-21/CEI0-16,C10/C11.VDE 4105VDE 0124 G99.RD244, UNE217001,UNE217002, NC RfG, TOR Erzeuger, NRS097-2-1, NB/T 32004			
General Data				
Dimensions (W x H x D)	1050 x660 x330 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			

● a:For AS4777, Rated Output Power of XG5KTL is 4999W .
● c:For AS4777, Max. Output Power of XG5KTL is 4999VA .

● b:For VDE-AR-N 4105 , Max . Output Power of XG4K6TL is 4600VA . For AS4777, Max . Output Power of XG4K6TL is 4999VA .
● d:For AS4777, Max . Output Current of XG4K6TL and XG5KTL is 21.7A .