



Three Phase On-Grid Solar Inverter

Single Phase On-Grid Solar Inverter
XG50-70KTR

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

	XG50KTR	XG50KTRL	XG60KTR	XG60KTRL	XG66KTRL	XG70KTRL
Input (DC)						
Max. Input power	80kW		96kW		105.6kW	112kW
Max. Input Voltage	1100V					
start Voltage	250V					
Rated Input Voltage	600V				700V	
Full-load Mpp Voltage Range	520V ~ 850V				600V ~ 850V	
MPPT Voltage Range	200V ~ 1000V					
Number of MPP Trackers	4					
Number of string per MPPT	3 / 2 / 3 / 2			3 / 3 / 3 / 3		
Max. Current per MPPT	39A / 26A / 39A / 26A			39A		
Max. short Circuit Current per MPPT	48A / 32A / 48A / 32A			48A		
Output(AC)						
Max. Output Current	79.7A	66.2A	95.6A	79.4A	87.4A	92.6A
Rated Output power	50kW		60kW		66kW	70kW
Max. Output power	55kVA		66kVA		72.6kVA	77kVA
Rated Grid Frequency	50Hz / 60Hz					
Rated Grid Voltage	230Vac / 400Vac	277Vac / 480Vac	230Vac / 400Vac		277Vac / 480Vac	
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)					
THDi	<3% (Rated Power)					
Efficiency						
Max. Efficiency	98.70%		98.80%			
European Efficiency	98.40%				98.40%	
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 / GPRS / Ethernet					
Standard Compliance						
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI 0-21,CEI 0-16, C10/C11, VDE 4105, VDE 0124, G99, RD244, UNE217001,UNE217002, NC RfG, NRS097-2-1, NB/T 32004, BIS					
General Data						
Dimensions (W x H x D)	650 x 450 x 260 mm					
Weight	50kg					
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					

● 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 .