

XG50-70KTR

Three Phase On-Grid Solar Inverter



**Efficient
Higher Revenue**

- 4 MPPT Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 160% DC Input Oversizing
- Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules



**Intelligent
Simple O&M**

- Smart LV 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/GPRS/Ethernet 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

SPECIFICATION

	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 MPPT Voltage Range			520V ~ 850V			600V ~ 850V
MPPT Voltage Range			200V ~ 1000V			
Number of MPPT 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						
Max. 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%		98.50%
European Efficiency			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			
AFCI 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, EN50519, IEC61717/IEC62116, CEI-0-21, CEI-0-16, C10/C11, VDE 4105, VDE 0124, GRS, RD244, UNE217001, UNE217002, NC RIG, 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 ~ +50° C					
Cooling Method	Smart Cooling					
Protection Degree	IP66					
Max. Operating Altitude	4000m					
Relative Humidity	0 ~ 100%					
Topology	Transformerless					
Night Power Consumption	<1W					