

# XG50-70kW

## Three Phase On-Grid Solar Inverter



- 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



### Efficient Higher Revenue



### 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/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

	XG50KTR	XG50KTRL	XG60KTR	XG60KTRL	XG66KTRL	XG70KTRL
<b>Input (DC)</b>						
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 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	
<b>Output (AC)</b>						
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)			
<b>Efficiency</b>						
Max. Efficiency	98.70%				98.80%	
European Efficiency			98.40%		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			LED / LCD / WiFi+App			
Communication			Standard: RS485 Optional: WiFi / GPRS / Ethernet			
<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)			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			