

# XG 50-70kW

## Three Phase On-Grid Solar Inverter



4 MPP Trackers



160% DC Input  
Oversizing



Smart I-V Curve  
Diagnosis Supported



DC & AC Type II SPD



Intelligent Fault  
Detection



IP66 Protection



AFCI Function  
(Optional)



	XG50KTR	XG60KTR
<b>Input (DC)</b>		
Max. Input Power	80kW	96kW
Max. Input Voltage		1100V
Start Voltage		250V
Rated Input Voltage		600V
Full-load MPP Voltage Range		520V ~ 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
<b>Output (AC)</b>		
Max. Output Current	79.7A	95.6A
Rated Output Power	50kW	60kW
Max. Output Power	55kVA	66kVA
Rated Grid Frequency		50Hz / 60Hz
Rated Grid Voltage	230Vac / 400Vac	230Vac / 400Vac
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%
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 / LED+LCD / WIFI+APP
Communication		Standard: RS485/ USB 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 4777.2:2015, 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	-25° C ~ +60° C	
Cooling Method	Smart Cooling	
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformerless	
Night Power Consumption	<1W	
Warranty	5 years (Standard) / 10 years (Optional)	