



# XG 50-70kW

## Three Phase On-Grid Solar Inverter



High DC/AC  
ratio and output  
overload ability



I-V Scanning  
and intelligent  
diagnosis



IP66



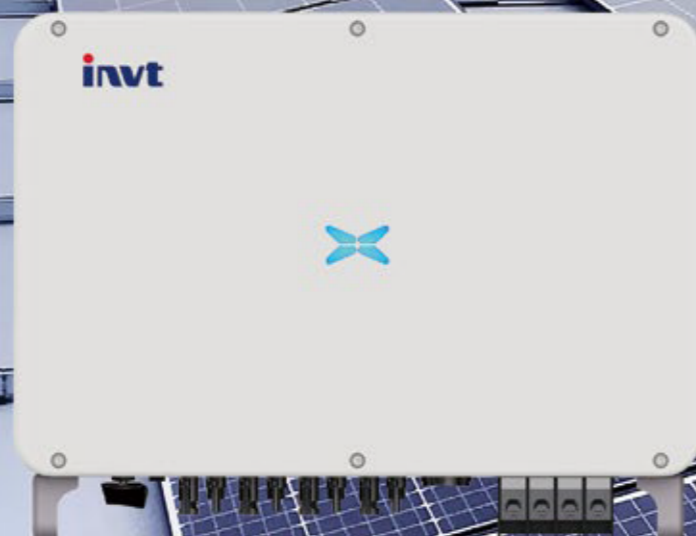
Intelligent  
fault detection



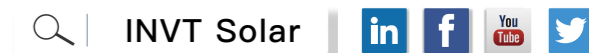
4 MPPT



Anti-PID  
optional



	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 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	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 (Range)			50Hz / 60Hz (45Hz~55Hz / 55Hz~65Hz)			
Rated Grid Voltage (Range)	230Vac / 400Vac (360Vac~440Vac)	277Vac / 480Vac (432Vac~528Vac)	230Vac / 400Vac (360Vac~440Vac)	277Vac / 480Vac (432Vac~528Vac)		
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			
AFCl protection			Optional			
<b>Communication</b>						
Display			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 4777.2:2020, 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			



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