

INVIT	XG6KTR	XG8KTR	XG15KTR1
Input (DC)			
Max. Input Power	9.6kW	12.8kW	24kW
Max. Input Voltage	1100V		
Start Voltage	160V		
Rated Input Voltage	600V		
Full-load MPP Voltage Range	250V ~ 850V	320V ~ 850V	500V ~ 850V
MPPT Voltage Range	180V ~ 1000V		
Number of MPP Trackers	2		
Number of String per MPPT	1 / 1		1 / 2
Max. Current per MPPT	14A / 14A		14A / 28A
Max. Short Circuit Current per MPPT	18A / 18A		18A / 36A
Output (AC)			
Max. Output Current	9.6A	12.8A	23.9A
Rated Output Power	6kW	8kW	15kW
Max. Output Power	6.6kVA	8.8kVA	16.5kVA
Rated Grid Frequency	50Hz / 60Hz		
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE		
Power Factor	>0.99 (0.8 leading~0.8 lagging)		
THDi	<3% (Rated Power)		
Efficiency			
Max. Efficiency	98.40%	98.70%	
European Efficiency	98.30%	98.50%	
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		
Surge protection	Type II		
AFCI protection	Optional		
Communication			
Display	LED / LCD (Optional)		
Communication	Standard: RS485 / USB Optional: WiFi / GPRS / Ethernet		
Standard Compliance			
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, IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011		
Safety / EMC			
General Data			
Dimensions (W x H x D)	481 x 395 x 195 mm		
Weight	12kg	13.5kg	

Operating Temperature Range	-25°C ~ +60°C	
Cooling Method	Natural	Smart Cooling
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformerless	
Night Power Consumption	<1W	