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XG50-70KTR

Three Phase On-Grid Solar Inverter

Key Feature

XG50-70KTR three-phase grid-tied inverter, specifically designed for small and medium-sized commercial and industrial photovoltaic power plants. It supports LED and LCD displays, features multiple protections including AC/DC two-level surge protection, and offers an optional AFCI function with rapid shutdown to prevent fires. Reliable, secure, and smart with peace of mind.

Efficient
Higher revenue

Intelligent
Simple O&M

Reliable
Worry free



- 4 MPP 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

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<https://www.invt-solar.com/7684.html>

Specification

	XG50KTR	XG50KTRL	XG60KTR	XG60KTRL	XG66KTR	XG70KTRL
Input (DC)						
Max. Input Power	80kW		90kW		105.6kW	112kW
Max. Input Voltage	1100V					
Start Voltage	250V					
Rated Input Voltage	600V				700V	
Full-load MPP Voltage	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		
Output (AC)						
Max. Output Current	70.7A	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)					
Efficiency						
Max. Efficiency	98.70%			98.80%		
European Efficiency	98.40%				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
PV String monitoring	Yes
Surge protection	Type II
AFCI protection	Optional
Communication	
Display	LED/LED+LCD/WIFI +APP
Communication	Standard: RS485 Optional: WiFi / GPRS / Ethernet
Standard Compliance	
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI 0-21, CEI 0-16, C10/C11, VDE 4105, VDE 0124, G99, RD244, UNE217001, UNE217002, NC RfG, NRS097-2-1, NB/T 32004, BIS



General Data		
Dimensions (W x H x D)	650 x 450 x 260 mm	
Weight	50kg	13.5kg
Operating Temperature Range	-30°C ~ +60°C	
Cooling Method	Smart forced aircooling	
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformerless	
Night Power Consumption	<1W	

Related Products



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+86-755-23535666
(tel:+86-755-23535666)



solar@invt.com.cn
(mailto:solar@invt.com.cn)



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