



XG100-150KTR-PRO

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 8-9 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- Wide MPPT voltage range: 180V-1000V
- String current 20A. Compatible with 700W+ modules

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

SPECIFICATION

	XG100KTR-PRO	XG110KTR-PRO	XG125KTR-PRO	XG136KTR-L-PRO	XG150KTR-L-PRO
Input (DC)					
Max. Input Voltage	1100V				
Start Voltage	200V				
Rated Input Voltage	620V			730V	
MPPT Voltage Range	180V ~ 1000V				
Number of MPP Trackers / String per MPPT	8/2		9/2		
Max. Current per MPPT	40A				
Max. Short Circuit Current per MPPT	50A				
Output (AC)					
Max. Output Current	159A	175A	198.5A	179.9A	198.5A
Rated Output Power	100kW	110kW	125kW	136kW	150kW
Max. Output Power	110kW	121kW	137.5kW	150kW	165kW
Rated Grid Frequency	50Hz / 60Hz				
Rated Grid Voltage	230Vac/400Vac, 3L/N/PE, 3L/PE			277Vac / 480Vac, 3L / PE	
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)				
THDi	<3% (Rated Power)				
Efficiency					
Max. Efficiency	98.60%				
European Efficiency	98.00%				
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				
PID Recovery	Optional				
Communication					
Display	LCD / LED+App				
Communication	Standard: RS485 Optional: WiFi / DRM / Bluetooth / 4G				
General Data					
Dimensions (W x H x D)	1040 x 670 x 350 mm				
Weight	85kg				
Operating Temperature Range	-30° C ~ +60° C				
Cooling Method	Smart forced air cooling				
Protection Degree	IP66				
Max. Operating Altitude	4000m				
Relative Humidity	0 ~ 100%				
Topology	Transformerless				
Night Power Consumption	<1W				



Sales E-mail: solar@invt.com.cn Service E-mail: solar-service@invt.com.cn Website: www.invt-solar.com

INVT Solar Technology (Shenzhen) Co., Ltd.

2nd Floor, Block B, INVT Guangming Technology Building, Songbai Road, Matian, Guangming District, Shenzhen, China

INVT Solar