XG75-80KTR-PRO

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 6 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 150% DC Input Oversizing
- Wide MPPT voltage range: 180-1000V
- String Current 20A, Compatible with high power 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

	XG75KTR-PRO	XG80KTR-PRO
Input (DC)		
Max. Input Power	112500W	120000W
Max. Input Voltage	1100V	
Start Voltage	200V	
Rated Input Voltage	620V	
MPPT Voltage Range	180-1000V	
Number of MPPT Trackers	6	
Number of string per MPPT	2	
Max. Current per MPPT	40A	
Max. Short Circuit Current per MPPT	50A	
Output (AC)		
Max. Output Current	113.7A	133.4A
Rated Output Power	75kW	80kW
Max. Output Power	75kVA	88kVA
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	98.60%	
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	
Communication		
Display	LCD/LED+APP	
Communication	Standard：RS485 Optional：WiFi / GPRS / Ethernet	
Standard Compliance		
Certification	IEC 62109-1, IEC 62109-2, IEC 61000-6-2, IEC 61000-6-4，EN 62920， IEC 61727, IEC 62116, IEC 60068, IEC 61683	
General Data		
Dimensions (W x H x D)	780x585x333mm	
Weight	77.8Kg	
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	

INVT Solar

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