XG100-125KTR-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

	XG100KTR-PRO	XG110KTR-PRO	XG125KTR-PRO
Input (DC)			
Max. Input Voltage	1100V		
Start Voltage	200V		
Rated Input Voltage	620V		
MPPT Voltage Range	180-1000V		
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
Rated Output Power	100kW	110kW	125kW
Max. Output Power	110kW	121kW	137.5kW
Rated Grid Frequency	50Hz / 60Hz		
Rated Grid Voltage	230Vac/400Vac, 3L/N/PE, 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		