

XG3-10kW

Single Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 2 MPP Trackers , Max. input current per string: 20A
- 150% DC Input Oversizing
- 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/4G: 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

	XG3KTL-2M	XG3.68KTL	XG4KTL	XG4.2KTL	XG4.6KTL	XG5KTL	XG6KTL	XG7KTL	XG8KTL	XG10KTL	XG7KTL1	XG8KTL1	XG10KTL1	
Input (DC)														
Max. Input Power	4.5kW	5.52kW	6kW	6.3kW	6.9kW	7.5kW	9kW	10.5kW	12kW	15kW	10.5kW	12kW	15kW	
Max. Input Voltage											600V			
Start Voltage											80V			
Rated Input Voltage											360V			
Full-load MPP Voltage Range	120V ~ 480V	135V ~ 480V	145V ~ 480V	150V ~ 480V	160V ~ 480V	170V ~ 480V	190V ~ 480V	230V ~ 480V	250V ~ 480V	290V ~ 480V	230V ~ 480V	250V ~ 480V	290V ~ 480V	
MPPT Voltage Range											80V ~ 560V			
Number of MPP Trackers											2			
Number of String per MPPT											1 / 1		1 / 2	
Max. Current per MPPT											20A		14A / 28A	
Max Short-Circuit Current per MPPT											26A		18.2A / 36.4A	
Output (AC)														
Max. Output Current	15A	16A	20A	21A	23A	25A	30A	35A	40A	45.5A	35A	40A	45.5A	
Rated Output Power	3kW	3.68kW	4kW	4.2kW	4.6kW	5kW	6kW	7kW	8kW	10kW	7kW	8kW	10kW	
Max. Output Power	3.3kVA	3.68kVA	4.4kVA	4.62kVA	5kVA	5.5kVA	6.6kVA	7.7kVA	8.8kVA	10kVA	7.7kVA	8.8kVA	10kVA	
Rated Grid Frequency											50Hz / 60Hz			
Rated Grid Voltage											220Vac / 230Vac / 240Vac			
Power Factor											>0.99 (0.8 leading ~ 0.8 lagging)			
THDi											<3% (Rated Power)			
Efficiency														
Max. Efficiency	98.10%		98.30%				98.10%							
European Efficiency	97.30%		97.40%				97.30%							
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											RS485 / WiFi / 4G			
Standard Compliance														
Certification											IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI0-21, C10/C11, G98/G99, RD244, UNE217001, UNE217002, TOR Erzeuger, AS4777, ABNT, NB/T 32004			
General Data														
Dimensions (W x H x D)											380 x 380 x 160 mm			
Weight											13kg			
Operating Temperature Range											-30° 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			

● a: For AS4777, Rated Output Power of XG5KTL is 4999W.

● b: For VDE-AR-N 4105, Max. Output Power of XG4K6TL is 4600VA. For AS4777, Max. Output Power of XG4K6TL is 4999VA.

● c: For AS4777, Max. Output Power of XG5KTL is 4999VA.

● d: For AS4777, Max. Output Current of XG4K6TL and XG5KTL is 21.7A.