

XG3-15KTR-S

Three Phase On-Grid Solar Inverter



Efficient
Higher Revenue



- 2MPPT Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Wide MPPT voltage range: 180V-1000V
- 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 realtime 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

	XG3KTR-S	XG4KTR-S	XG5KTR-S	XG6KTR-S	XG8KTR-S	XG10KTR-S	XG12KTR-S	XG15KTR-S	XG16KTR-S	XG18KTR-S	XG20KTR-S	XG24KTR-S
Input (DC)												
Max. Input Power	4.8kW	6.4kW	8kW	9.6kW	12.8kW	14.4kW	16kW	17.6kW	19.2kW	24kW		
Max. Input Voltage					1100V							
Start Voltage					200V							
Rated Input Voltage					600V							
MPPT Voltage Range					180V - 1000V							
Number of MPPT Trackers / String per MPPT					2 / 1							
Max. Current per MPPT					18A							
Max. Short Circuit Current per MPPT					25A							
Output (AC)												
Max. Output Current	4.8A	6.4A	8A	9.6A	12.8A	14.4A	15.9A	17.5A	19.1A	23.9A		
Rated Output Power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW		
Max. Output Power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	9.9kVA	11kVA	12.1kVA	13.2kVA	16.5kVA		
Rated Grid Frequency					50Hz / 60Hz							
Rated Grid Voltage					230Vsc / 400Vsc, 3L / N / PE							
Power Factor					>0.99 (0.8 leading - 0.8 lagging)							
THDI					<3% (Rated Power)							
Efficiency												
Max. Efficiency			98.40%					98.70%				
European Efficiency			98.30%					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							
Surge Protection					Type II							
AFCI Protection					Optional							
Communication												
Display					LCD / LED+APP							
Communication					Standard: RS485 Optional: WiFi / GPRS / Ethernet							
Standard Compliance												
Certification					IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC 61883, IEC 60068, IEC 61727, IEC 62116, EN50549, IEC 62117, IEC 62118, IEC 62119, IEC 62120, IEC 62121, VDE 4105, VDE 0124, G98/G99, HD244, UNE217001, UNE217002, NC RG, IOR Erzeuger, AS4177, ASNT, NB/132004, SIS							
General Data												
Dimensions (W x H x D)					481 x 395 x 135 mm							
Weight	12kg				13.5kg							
Operating Temperature Range					-30° C ~ +50° C							
Cooling Method					Natural							
Protection Degree					IP66							
Max. Operating Altitude					4000m							
Relative Humidity					0 ~ 100%							
Topology					Transformerless							
Night Power Consumption					<1W							