



XG3-15KTR-S

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 2MPP 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 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

	XG3KTR-S	XG4KTR-S	XG5KTR-S	XG6KTR-S	XG8KTR-S	XG9KTR-S	XG10KTR-S	XG11KTR-S	XG12KTR-S	XG15KTR1-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 MPP 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	230Vac / 400Vac, 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, IEC61683, IEC60068, IEC61727/IEC62116, EN50549, CEI0-21, C10/C11, VDE 4105, VDE 0124, G98/G99, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, AS4777, ABNT, NB/T 32004, BIS										
General Data											
Dimensions (W x H x D)	481 x 390 x 190 mm										
Weight	12kg					13.5kg					
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										