

XG3-15kW-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						160V					
Rated Input Voltage						600V					
Full-load MPP Voltage Range	200V ~ 850V				360V ~ 850V			380V ~ 850V		450V ~ 850V	
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 395 x 195 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					