



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

Reliable Worry Free

IP66 Protection degree: support outdoor installation
DC & AC Type I SPD: prevent lightning damage
AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

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

Three Phase 3-15kw on grid

	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)									
	98.40%					98.70%				
	98.30%					98.50%				
	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									