

# XG3-15kW

## 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/USB (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	XG4KTR	XG5KTR	XG6KTR	XG8KTR	XG9KTR	XG10KTR	XG11KTR	XG12KTR	XG15KTR1
<b>Input (DC)</b>										
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	250V ~ 850V			320V ~ 850V		400V ~ 850V	450V ~ 850V		480V ~ 850V	500V ~ 850V
MPPT Voltage Range	180V ~ 1000V									
Number of MPP Trackers	2									
Number of String per MPPT	1 / 1									1 / 2
Max. Current per MPPT	14A / 14A									14A / 28A
Max. Short Circuit Current per MPPT	18A / 18A									18A / 36A
<b>Output (AC)</b>										
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)									
<b>Efficiency</b>										
Max. Efficiency	98.40%					98.70%				
European Efficiency	98.30%					98.50%				
MPPT Efficiency	99.90%									
<b>Protection</b>										
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									
<b>Communication</b>										
Display	LED / LCD / WiFi+App									
Communication	Standard: RS485 / USB Optional: WiFi / GPRS / Ethernet									
<b>Standard Compliance</b>										
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2020, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99									
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011									
<b>General Data</b>										
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									