

# XG15-25kW

## Three Phase On-Grid Solar Inverter



### Efficient Higher revenue

- 2 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency 98.4%. Wide MPPT voltage range: 200V-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

	XG15KTR	XG17KTR	XG20KTR	XG22KTR	XG25KTR
<b>Input (DC)</b>					
Max. Input Power	24kW	27.2kW	32kW	35.2kW	40kW
Max. Input Voltage			1100V		
Start Voltage			250V		
Rated Input Voltage			600V		
Full-load MPP Voltage Range	480V ~ 800V			520V ~ 800V	560V ~ 800V
MPPT Voltage Range			200V ~ 1000V		
Number of MPP Trackers			2		
Number of string per MPPT			2 / 2	2 / 3	
Max. Current per MPPT			26A	26A / 39A	
Max. Short Circuit Current per MPPT			32A	32A / 48A	
<b>Output (AC)</b>					
Max. Output Current	24.1A	27.2A	32.1A	35.3A	39.8A
Rated Output Power	15kW	17kW	20kW	22kW	25kW
Max. Output Power	16.6kVA	18.8kVA	22.2kVA	24.4kVA	27.5kVA
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%		
European Efficiency			98.00%		
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		
PV string 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)			534 x 440 x 220 mm		
Weight			24kg		
Operating Temperature Range			-30° C ~ +60° C		
Cooling Method			Smart Cooling		
Protection Degree			IP66		
Max. Operating Altitude			4000m		
Relative Humidity			0 ~ 100%		
Topology			Transformerless		
Night Power Consumption			<1W		