

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 (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
Input (DC)					
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	32A			32A / 48A	
Max. Short Circuit Current per MPPT	40A			40A / 60A	
Output (AC)					
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)				
Efficiency					
Max. Efficiency	98.40%				
European Efficiency	98.00%				
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				
PV string monitoring	Yes				
Surge protection	Type II				
AFCI protection	Optional				
Communication					
Display	LED / LCD / WiFi+App				
Communication	Standard: RS485 Optional: WiFi / GPRS / Ethernet				
Standard Compliance					
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				
General Data					
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				