

XG17-25kW

Three Phase On-Grid Solar Inverter



- 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.



Efficient Higher Revenue



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

	XG17KTR	XG20KTR	XG22KTR	XG25KTR
Input (DC)				
Max. Input Power	27.2 kW	32 kW	35.2 kW	40 kW
Max. Input Voltage	1100 V			
Start Voltage	250 V			
Rated Input Voltage	600 V			
Full-load MPP Voltage Range	480 V ~ 800 V		520 V ~ 800 V	560 V ~ 800 V
MPPT Voltage Range	200 V ~ 1000 V			
Number of MPP Trackers	2			
Number of string per MPPT	2 / 2		2 / 3	
Max. Current per MPPT	32 A		32 A / 48 A	
Max. Short Circuit Current per MPPT	40 A		40 A / 60 A	
Output (AC)				
Max. Output Current	27.2 A	32.1 A	35.3 A	39.8 A
Rated Output Power	17 kW	20 kW	22 kW	25 kW
Max. Output Power	18.8 kVA	22.2 kVA	24.4 kVA	27.5 kVA
Rated Grid Frequency	50 Hz / 60 Hz			
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	24 kg			
Operating Temperature Range	-30° C ~ +60° C			
Cooling Method	Smart Cooling			
Protection Degree	IP66			
Max. Operating Altitude	4000 m			
Relative Humidity	0 ~ 100%			
Topology	Transformerless			
Night Power Consumption	< 1 W			