XG100-136kW

Three Phase On-Grid Solar Inverter

Efficient
Higher revenue

- 9-12 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 150% DC Input Oversizing
- Maximum efficiency of 98.7%. 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/DRM/Bluetooth 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

	XG100KTR	XG100KTR-F	XG110KTR	XG110KTR-F	XG136KTR-L	XG136KTR-LF	XG136KTR-X	XG136KTR-XF
Input (DC)								
Max. Input Power	150kW				160kW			
Max. Input Voltage	1100V							
Start Voltage	250V							
Rated Input Voltage	620V				730V		780V	
Full-load MPP Voltage Range	530V ~ 850V				560V ~ 850V			
MPPT Voltage Range	180V ~ 1000V							
Number of MPP Trackers	9		10		12			
String per MPPT	2							
Max. Current per MPPT	26A	30A	26A	30A	26A	30A	26A	30A
Max. Short Circuit Current per MPPT	40A							
Output (AC)								
Max. Output Current	158.8A		174.6A				160.4A	
Rated Output Power	100kW		110kW		136kW			
Max. Output Power	110kVA		121kVA		150kVA			
Rated Grid Frequency	50Hz / 60Hz							
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE, 3L / PE				277Vac / 480Vac, 3L / N / PE, 3L / PE		311Vac / 540Vac, 3L / N / PE, 3L / PE	
Power Factor	>0.99 (0.8 leading~0.8 lagging)							
THDi	<3% (Rated Power)							
Efficiency								
Max. Efficiency	98.70%							
European Efficiency	98.50%							
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							
PID recovery function	Optional							
SVG function	Optional							
Communication								
Display	LED / LCD / WiFi+App							
Communication	Standard：RS485/ USB Optional：WiFi / DRM / Bluetooth							
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)	1050 x 660 x 330 mm							
Weight	95kg		98kg		101kg			
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							