

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 (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

SKU:9485

XG100KTR	
Input (DC)	
Max. Input Power	150kW
Max. Input Voltage	1100V
Start Voltage	250V
Rated Input Voltage	620V
Full-load MPP Voltage Range	530V ~ 850V
MPPT Voltage Range	180V ~ 1000V
Number of MPP Trackers	9
String per MPPT	2
Max. Current per MPPT	26A
Max. Short Circuit Current per MPPT	40A
Output (AC)	
Max. Output Current	158.8A
Rated Output Power	100kW
Max. Output Power	110kVA
Rated Grid Frequency	50Hz / 60Hz
Rated Grid Voltage	230Vac / 400Vac, 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 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