

# XG110KTR-F

## 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 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

## XG110KTR-F

### Input (DC)

Max. Input Power
Max. Input Voltage
Start Voltage
Rated Input Voltage
Full load MPP Voltage Range
MPPT Voltage Range
Number of MPP Trackers
Numbers of String per MPPT
Max. Current per MPPT
Max. Short Circuit Current per MPPT

150 KW
1100V
250V
620V
530V~ 850V
180V~ 1000V
10
2
30A
40A

### Output (AC)

Max. Output Current
Rated Output Power
Max. Output Power
Rated Grid Frequency
Rated Grid Voltage
Power Factor
THDi

158.8 A
110 KW
121 KVA
50Hz/60Hz
230Vac / 400Vac 3L/ N / PE, 3L/ PE
>0.99 (0.8 leading ~ 0.8 lagging)
<3% (Rated Power)

### Efficiency

Max. Efficiency
European Efficiency
MPPT Efficiency

98.70%
98.50%
99.90%

### Protection

DC Reverse Polarity Protection
Anti-islanding Protection
AC short Circuit Protection
Residual Current Monitoring Unit
Insulation Resistance Monitoring
Ground Fault Monitoring
Grid Monitoring
Surge Protection
AFCI Protection

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Type II
Optional

### Communication

Display
Communication

LCD/LED+APP
Standard: RS485
Optional: WiFi/GPRS/Ethernet

### Standard Compliance

Certification
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IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC61683, IEC60068, IEC61727/IEC62116  
EN50549, CE10-21, C10/C11, VDE 4105, VDE 0124, G98/G99, RD244, UNE217001, UNE217002,  
NC RFG, TOR Erzeuger, AS4777, ABNT, NB/T 32004, BIS

### General Data

Dimensions (WxHxD)
Weight
Operating Temperature Range
Cooling Method
Protection Degree
Max. Operating Altitude
Relative Humidity
Topology
Night Power Consumption

1050 x 660 x 330mm
98kg
-30° C ~ +60° C
Smart forced air Cooling
IP66
4000m
0 ~ 100%
Transformerless
<1W