

XG50KTR

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- ✓ 4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- ✓ 160% DC Input Oversizing
- ✓ 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

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Input (DC)

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

Output (AC)

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

Efficiency

Max. Efficiency
European Efficiency
MPPT Efficiency

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

Communication

Display
Communication

Standard Compliance

Certification

General Data

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

80 KW
1100V
250V
600V
520V~ 850V
4
3/2
39A/26A
48A/32A
79.7 A
50 KW
55 KVA
50Hz/60Hz
230Vac / 400Vac
>0.99 (0.8 leading ~ 0.8 lagging)
<3% (Rated Power)

98.70%
98.40%
99.90%

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Type II
Optional

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

IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC61683, IEC60068, IEC61727/IEC62116
EN50549, CEI0-21, C10/C11, VDE 4105, VDE 0124, G98/G99, RD244, UNE217001, UNE217002,
NC RfG, TOR Erzeuger, AS4777, ABNT, NB/T 32004, BIS

650 x 450 x 260mm
50kg
-30° C ~ +60° C
Smart Cooling
IP66
4000m
0 ~ 100%
Transformerless
<1W