

XG 50-70kW

Three Phase Grid-tied Solar Inverter



1.6X DC input overload
1.1X AC output overload



I-V Scanning
and intelligent
diagnosis



IP66



Intelligent
fault detection



4 MPPT



Anti-PID
optional



| | XG50KTR | XG60KTR | XG66KTR-L | XG70KTR-L |
|--|---------|---------|-----------|-----------|
|--|---------|---------|-----------|-----------|

DC input parameter

| | | | | |
|---|-----------------|------|---------|-------|
| Max. DC input power | 80kW | 96kW | 105.6kW | 112kW |
| Max. DC input voltage | 1100V | | | |
| Starting voltage / Min. operation voltage | 250V / 180V | | | |
| MPPT Voltage range | 200V ~ 1000V | | | |
| Number of MPPT | 4 | | | |
| String per MPPT | 3 / 2 / 3 / 2 | 3 | | |
| Max. DC current per MPPT | 39A/26A/39A/26A | 39A | | |

AC output parameter

| | | | | |
|------------------------|--------------------------|-------|-------------|-------|
| Max. output power | 55kVA | 66kVA | 72.6kVA | 77kVA |
| Max. AC output current | 79.7A | 95.6A | 87.36A | 92.6A |
| Rated output power | 50kW | 60kW | 66kW | 70kW |
| Power factor | -0.8 ~ +0.8 (Adjustable) | | | |
| THDi | < 3% | | | |
| Rated AC voltage | 230V / 400V | | 277V / 480V | |

Efficiency

| | |
|-----------------|--------|
| Max. efficiency | 98.60% |
| Euro efficiency | 98.40% |
| MPPT efficiency | 99.90% |

Protection

| | |
|------------|--|
| Protection | DC switch, Input reverse wiring protection, AC short circuit protection, AC output over current protection, Input over voltage protection, Isolation protection, PV string detection, Anti-island protection, Over temperature protection, Grounding fault monitoring, ZVRT, DC/AC II degree lightning protection, Anti-PID function; etc. |
|------------|--|

Display and communication

| | |
|-----------|--------------------------------|
| Display | LED / LCD / WiFi+App |
| Interface | RS485 / USB (WiFi / 4G / GPRS) |

Standard

| | |
|--------------------|--|
| Grid qualification | VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12, IEC 62109-1:2010 |
| Safety / EMC | VDE-AR-N4105, AS4777/3100, CQC |

General parameter

| | |
|-----------------------------|--|
| Cooling | Smart cooling |
| Protection degree | IP66 |
| Night self-consumption | < 1W |
| Topology | Transformerless |
| Operating temperature range | -25°C ~ +60°C (Derating over 45°C) |
| Relative humidity | 0 ~ 100% |
| Highest altitude | ≤ 4000m (Derating above 3000m) |
| Dimension (W x H x D) | 650 x 440 x 260 mm |
| Weight | ≤ 50kg |
| Warranty | 5 years (Standard) / 10 years (Optional) |



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