



- The core technologies are from Germany.
- Wider voltage range, lower starting voltage and higher conversion efficiency (Max efficiency can reach to 97.8%).
- Adap to the complex conditions of roof, improve power generation.



- Aluminum casing, natural cooling, IP65 protection level.
- Adopt internationally famous brand components to ensure the stable operation of inverter.
- Insured by well-known international property insurance company (AIG) for Products /Completed Operations Liability Insurance



- Smart grid adaptive to meet the requirements of various power grid access.
- Variety of monitoring modes: APP (one-button registration), large screen data monitoring center, cloud monitoring platform
- Support RS485,GPRS,WIFI, GPRS200.



- Home appliance design, easy to operation.
- Small in size, light in weight, easy to install.

Specification

| | MG4KTL | MG4K6TL | MG5KTL |
|---|--------|---|--------|
| Input (DC) | | | |
| Max. DC input power (W) | 4800 | 5520 | 6000 |
| Max. DC input voltage (V) | | 600 | |
| Starting voltage (V)/ Min. operation voltage (V) | | 120/100 | |
| MPPT Range(V) / Rated input voltage(V) | | 120-550 /360V | |
| Number of MPPT / String per MPPT | | 1/2 | |
| Max. DC current (A) Per MPPT x Number of MPPT | 19x1 | 21x1 | 23x1 |
| DC switch | | Optional | |
| Output (AC) | | | |
| Rated output power (W) | 4000 | 4600 | 5000 |
| Max. AC output current(A) | 20 | 22 | 24 |
| Grid voltage range | | 230/180~277V | |
| Grid frequency range | | 50Hz(44~55Hz) / 60Hz(54~65Hz) | |
| Power factor | | ≥0.99 (at rated power) | |
| THDi | | < 3% (at rated power) | |
| AC output | | Single-phase(L, N, PE) | |
| System | | | |
| Cooling method | | Natural cooling | |
| Max. efficiency | 97.70% | 97.70% | 97.80% |
| Euro-efficiency | 96.70% | 96.70% | 96.80% |
| MPPT efficiency | | 99.90% | |
| Protection degree | | IP65 | |
| Self-consumption(at night) | | <1(W) | |
| Topology | | Transformerless | |
| Operating temperature range | | -25℃~+60℃ (derate after 45℃) | |
| Relative humidity | | 0~95%, no condensation | |
| Protection | | PV array insulation protection, PV array leakage current protection, Ground fault monitoring,Grid monitoring, Island protection, DC monitoring, Short current protection etc. | |
| Display and communication | | | |
| Display | | LCD (standard) / LED(optional) | |
| LCD language | | English, Chinese, German, Dutch | |
| Communication interface | | RS485 (standard) ; WiFi, GPRS200(optional) | |
| Mechanical parameters | | | |
| Dimension (H x W x D mm) | | 405×360×150 | |
| Weight (kg) | | ≤15 | |
| Installation | | Wall mounting | |
| Others | | | |
| DC terminal | | Waterproof terminals | |
| Grid qualification | | DIN VDE 0126-1-1: 2013, VDE-AR-N 4105: 2011, DIN VDE V 0124-100: 2012, G83-2 :2012, G59/3-2: 2015, IEC 61727(IEC62116), AS/NZS 4777.2: 2015, NB/T32004-2013, IEC 60068-2-1: 2007, IEC 60068-2-2: 2007, IEC 60068-2-14: 2009, IEC 60068-2-30: 2005, IEC 61683: 1999 | |
| Safety certificates / EMC certificates | | IEC 62109-1 : 2010, IEC 62109-2 : 2011, EN 61000-6-2: 2005, EN 61000-6-3:2007/A1:2011 | |
| Factory warranty | | 5 years(standard) | |