



- 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

	MG750TL	MG1KTL	MG1K5TL	MG2KTL	MG3KTL
Input (DC)					
Max. DC input power (W)	900	1200	1700	2200	3300
Max. DC input voltage (V)	400		450		500
Starting voltage (V) / Min. operation voltage (V)	60/50		80/60		
MPPT Range(V) / Rated input voltage(V)	50-400/300	60-400/300	80-410/300	100-410/300	120-450/360
Number of MPPT / String per MPPT			1/1		
Max. DC current (A) Per MPPT x Number of MPPT	8x1	9x1	10x1	12x1	15x1
DC switch			Optional		
Output (AC)					
Rated output power (W)	750	1000	1500	2000	3000
Max. AC output current (A)	3.6	4.5	6.5	9	13
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	96.80%	96.90%	97.20%	97.20%	97.30%
Euro-efficiency	95.95%	96.00%	96.10%	96.10%	96.50%
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)	280x300x138				
Weight (kg)	≤ 9.5				
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, EN 50438: 2013, G83-2 :2012, 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: 999, C10/11, TF3.2.1				
Safe 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)				