

	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)	50-400	60-400	80-410	100-410	120-450
Quantity of MPPT / String per MPPT	1/1				
Max. DC current (A) per MPPT x Quantity of MPPT	8x1	9x1	10x1	12x1	15x1
Output (AC)					
Rated output power (W)	750	1000	1500	2000	3000
Max. AC output current (A)	3,6	4,5	6,5	9	13
Power factor	≥0.99 (at rated power)				
THDi	<3% (at rated power)				
Nominal output voltage (V) / frequency (Hz)	230, L+N+PE, 50/60				
Efficiency					
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					
Protection	DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc.				
General data					
Display	LED (standard)/LCD(optional)				
LCD language	English, Chinese, German, Dutch				
Communication interface	RS485(standard); WiFi, Ethernet(optional)				
Cooling method	Natural cooling				
Protection degree	IP65				
Night self consumption (W)	<1				
Topology	Transformerless				
Operating temperature range	-25°C~+60°C(derate after 45°C)				
Relative humidity	4~100%, condensation				
Dimension (H x W x D mm)	280x300x138				
Weight (kg)	≤9.5				
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 61683:1999, C10/11, TF3.2.1				
Safe certificate / EMC certificate	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011				
Factory warranty (years)	5(standard)/10(optional)				

	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)	120-550		
Number of MPPT / String per MPPT	1/2		
Max. DC current (A) per MPPT x Number of MPPT	16x1	18x1	20x1
Output (AC)			
Rated output power (W)	3680	4200	4600
Max. AC output current (A)	16	18,3	20
Power factor	≥0.99 (at rated power)		
THDi	<3% (at rated power)		
Nominal output voltage (V) / frequency (Hz)	230, L+N+PE, 50/60		
Efficiency			
Max. efficiency	97,70%	97,70%	97,80%
Euro-efficiency	96,70%	96,70%	96,80%
MPPT efficiency	99,90%		
Protection			
Protection	DC breaker, AC Short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge Protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc.		
General data			
Display	LED (standard)/LCD(optional)		
LCD language	English, Chinese, German, Dutch		
Communication interface	RS485(standard); WiFi, Ethernet(optional)		
Cooling method	Natural cooling		
Protection degree	IP65		
Night self consumption (W)	<1		
Topology	Transformerless		
Operating temperature range	-25°C~+60°C(derate after 45°C)		
Relative humidity	4~100%, condensation		
Dimension (H x W x D mm)	405×360×150		
Weight (kg)	≤15		
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		
Safe certificate / EMC certificate	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011		
Factory warranty (years)	5(standard)/10(optional)		

	MG3KTL-2M	MG4KTL-2M	MG4K6TL-2M	MG5KTL-2M	MG6KTL-2M
Input (DC)					
Max. DC input power (W)	3600	4800	5520	6000	6300
Max. DC input voltage (V)	600				
Starting voltage (V) / Min. operation voltage (V)	120/100				
MPPT range (V)	120-550				
Quantity of MPPT / String per MPPT	2/1				
Max. DC current (A) per MPPT x Quantity of MPPT	8x2	10x2	11x2	12x2	16x2
Output (AC)					
Rated output power (W)	3000	3680	4200	4600	6000
Max. AC output current (A)	14	16	18,3	20	26
Power factor	≥0.99(at rated power)				
THDi	<3%(at rated power)				
Nominal output voltage (V) / frequency (Hz)	230, L+N+PE, 50/60				
Efficiency					
Max. efficiency	97,70%	97,70%	97,70%	97,80%	97,80%
Euro-efficiency	96,70%	96,70%	96,70%	96,80%	96,80%
MPPT efficiency	99,90%				
Protection					
Protection	DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc.				
General data					
Display	LED (standard)/LCD(optional)				
LCD language	English, Chinese, German, Dutch				
Communication interface	RS485(standard); WiFi, Ethernet(optional)				
Cooling method	Natural cooling				
Protection degree	IP65				
Night self consumption (W)	<1				
Topology	Transformerless				
Operating temperature range	-25°C~+60°C(derate after 45°C)				
Relative humidity	4~100%, condensation				
Dimension (H x W x D mm)	462x360x150				
Weight (kg)	≤18				
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				
Safe certificate / EMC certificate	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011				
Factory warranty (years)	5(standard)/10(optional)				