



# SOLAR TECH

	MG4KTL	MG4K6TL	MG5KTL
<b>Input (DC)</b>			
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
<b>Output (AC)</b>			
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		
<b>Efficiency</b>			
Max. efficiency	97.70%	97.70%	97.80%
Euro-efficiency	96.70%	96.70%	96.80%
MPPT efficiency	99.90%		
<b>Protection</b>			
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.		
<b>General data</b>			
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, EC 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)