



# SOLAR TECH

	MG750TL	MG1KTL	MG1K5TL	MG2KTL	MG3KTL
<b>Input (DC)</b>					
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
<b>Output (AC)</b>					
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				
<b>Efficiency</b>					
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%				
<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.				
<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)	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.				
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)				