



# MG 3-6kW-2M-PLUS

## Single Phase Grid-tied Solar Inverter



Zero export  
function  
(Optional)



External  
inductor



IP65



Product  
Liability  
Insurance



High power  
density



5+5 years  
warranty

	MG3KTL-2M -PLUS	MG3K6TL-2M -PLUS	MG4KTL-2M -PLUS	MG4K6TL-2M -PLUS	MG5KTL-2M -PLUS	MG6KTL-2M -PLUS
<b>DC input parameter</b>						
Max. DC input power	2kW x 2	2.3kW x 2	2.6kW x 2	3kW x 2	3.25kW x 2	3.9kW x 2
Max. DC input voltage	550V					
Starting voltage/ Lowest voltage	120V / 100V					
MPPT voltage range	100V – 520V					
Number of MPPT / String per MPPT	2 / 1					
Max. DC current x Number of MPPT	9A x 2	11A x 2	12A x 2	13A x 2	15A x 2	16A x 2
<b>AC output parameter</b>						
Max. output current	16A	18A	20A	22A	24A	26A
Rated output power	3kW	3.6kW	4kW	4.6kW	5kW	6kW
Rated output voltage	230V					
Power factor	-0.9 ~ +0.9 (Adjustable)					
Harmonic distortion	< 3% (At rated power)					
Voltage / frequency range	180V ~ 270V, 50Hz (47Hz ~ 51.5Hz) / 60Hz (57Hz ~ 61.5Hz)					
<b>Efficiency</b>						
Maximum efficiency	97.60%	97.50%	97.30%	97.40%	97.40%	97.60%
European efficiency	96.50%	96.40%	96.40%	96.50%	96.50%	96.70%
MPPT efficiency	99.90%					
<b>Protection</b>						
Protection	Input overvoltage protection, input overcurrent protection, DC isolation monitoring, DC monitoring, grounding fault current monitoring, grid monitoring, island protection, short circuit protection, overheating protection etc.					
<b>Display and Communication</b>						
Display	LED / LCD (backlit display)					
System language	English, Chinese, German, Dutch					
Interface	RS485 (standard), Ethernet, Handheld keypad, WiFi (optional)					
<b>Standard</b>						
Grid qualification	DIN VDE 0126-1-1:2013, VDE –AR-N4105:2011, 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 / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011					
<b>General parameter</b>						
Cooling	Natural cooling					
Protection degree	IP65					
Power consumption at night	< 1W					
Topology	Non-isolated					
Operation temperature	-25°C ~ +60°C (Derating above 45°C)					
Relative humidity	0 ~ 95%					
Noise	≤ 25dB					
Max. altitude	2000m (Derating above 2000m)					
Dimension (W x H x D)	335 x 395 x 128 mm				335 x 395 x 153 mm	
Weight	10.3kg				11.5kg	
Warranty	5 years (Standard) / 10 years(Optional)					



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