

MG 3-6kW-2M

Single Phase On-Grid Solar Inverter

- Zero export function (Optional)
- External inductor
- IP65
- Natural cooling, low noise
- Aluminum enclosure
- 5+5 years warranty

	MG3KTL-2M	MG4KTL-2M	MG4K6TL-2M	MG5KTL-2M	MG6KTL-2M
Input (DC)					
Max. Input Power	3.6kW	4.8kW	5.52kW	6kW	6.3kW
Max. Input Voltage	600V				
Start Voltage / Min. Operating Voltage	120V / 100V				
MPPT Voltage Range	120V-550V				
MPPT Rated Voltage	360V				
Number of MPP Trackers / String per MPPT	2/1				
Max. Current per MPPT	8A	10A	11A	12A	16A
Output (AC)					
Max. Output Current	14A	16A	18.3A	20A	27.3A
Rated AC Power	3kW	3.68kW	4.2kW	4.6kW	6kW
Rated Grid Frequency	50Hz / 60Hz				
Rated Grid Voltage	230V, L+N+PE				
Power Factor	⩾ 0.99 (Rated Power)				
THDi	< 3% (Rated Power)				
Efficiency					
Max. Efficiency	97.70%	97.70%	97.70%	97.80%	97.80%
European Efficiency	96.70%	96.70%	96.70%	96.80%	96.80%
MPPT Efficiency	99.90%				
Protection					
Protection	DC switch, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-islanding protection, Over-temperature protection, Ground fault monitoring, etc.				
Communication					
Display	LED (Optional) / LCD (Standard)				
System Language	English / Chinese / German / Dutch				
Communication	Standard: RS485 Optional: WiFi / GPRS / Ethernet				
Standard Compliance					
Grid Connection Standards	IEC 61727:2004, IEC62116:2014, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, DIN VDE 0126-1-1:2013, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, G98:2019, C10/11:2019, AS/NZS 4777.2:2020, NB/T 32004-2018, PEA, ZVR				
Safety / EMC	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, EN 61000-6-2:2019, EN 61000-6-3:2007/A1:2011				
General Data					
Dimensions (W x H x D)	360 x 462 x 150 mm				
Weight	18kg				
Operating Temperature Range	-25°C ~+60°C (Derating above 45°C)				
Cooling Method	Natural Cooling				
Protection Degree	IP65				
Noise	< 30dB				
Highest Altitude	3000m (Derating above 2000m)				
Relative Humidity	0~95%				
Topology	Transformerless				
Night Power Consumption	<1W				
Warranty	5years (Standard) / 10years (Optional)				

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