



Description:

MG single phase series is new generation of PV string inverter which is developed by INVT for residential users. MG series has the advantages of compact size, light weight, easy installation and maintenance, and most of all, cost-efficient.

Features :

- The core technology from Germany.
- Software optimization for the power grid with much wider adaptability.
- Global integrated monitoring and management, supporting all kinds of portable mobile devices.HMI is optional.
- Wide voltage range, low starting voltage , higher conversion efficiency.
- Designed with latest thermal simulation technology for longer service life.

HMI Features:

- Small and exquisite appearance .
- LCD display and easy to operate keyboard with multiple functions
- Pluggable design perfectly cleared the potential troubles that change the inner setting by Non-users and makes users feel safe to the products.



ACT witness Lab certified by TÜV SÜD



G83/G59 C10/11
TF3.2.1 MEA PEA



INVT Official Website



iMars PhoneExpert
(for Android)

Specification

	MG4KTL	MG4K6TL	MG5KTL	MG4KTL-2M	MG4K6TL-2M	MG5KTL-2M
Input (DC)						
Max DC input power(W)	4000	4600	5000	4000	4600	5000
Max DC Voltage	600V					
Starting voltage/minimum working voltage (V)	120/100					
MPPT Range(V)	120 - 550					
Number Of MPPT / String Per MPPT	1/2			2/1		
Max. Input Current(A)	16	18	20	10*2	11*2	12*2
DC Switch	Optional					
AC Output						
Rated Power (W)	3680	4200	4600	3680	4200	4600
Max. AC Output Current(A)	16	18.3	20	16	18.3	20
AC Voltage Range	230/180~277Vac					
	According to VDE-AR-N4105, G83/2, G59, AS4777/3100, CQC					
Grid Frequency	50Hz(44~55Hz) / 60Hz(54~65Hz)					
	According to VDE-AR-N4105, G83/2, AS4777/3100, CQC					
Power Factor	≥0.99 (Adjustable)					
THD	< 3% (At Rated Power)					
AC Connection	Single-phase (L, N, PE)					
System						
Cooling	Natural cooling					
Max. Efficiency	97.70%	97.70%	97.80%	97.90%	98.00%	98.00%
Euro-efficiency	96.50%	96.70%	96.80%	96.80%	96.80%	96.80%
MPPT Efficiency	99%					
Protection Degree	IP65					
Consumption At Night	<1W					
Isolation Mode	Transformerless					
Operating Temperature	-25℃ ~ +60℃ (derate after 45℃)					
Relative Humidity	0~95%, no condensation					
Protection	Over voltage protect ;DC insulation monitoring; DC Over current Protection; monitoring; Grounding fault monitoring; island protection; Overheating protection ; Electronic Protection; Overvoltage and short circuit protection etc.					
Display And Communication						
Display	LED Display (Standard) / LCD (Optional)					
System Language	English; Chinese; German; Dutch					
Communication Mode	RS485 (Standard); WiFi, Ethernet (Optional)					
Mechanical Parameters						
Dimension (H x W x D mm)	350x360x160			420x360x160		
Weight (kg)	≤13			≤15		
Installation	Wall mounting					
Others						
DC Terminal	MC4					
Certifications	VDE-AR-N4105, G83/2, AS4777/3100, CQC EN61000-6-1:14, EN61000-3-2:3, EN61000-11:12; IEC 62109-1:2010					



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