

# RESIDENTIAL SOLUTION

## Single Phase Grid-tied Solar Inverter

MG750TL / 1KTL / 1K5TL / 2KTL / 3KTL (-2M) / 4KTL (-2M)  
4K6TL (-2M) / 5KTL (-2M) / 6KTL (-2M)



APP/Web Monitor



External-inductor Design



IP65



Product Liability Insurance



All Aluminium Case

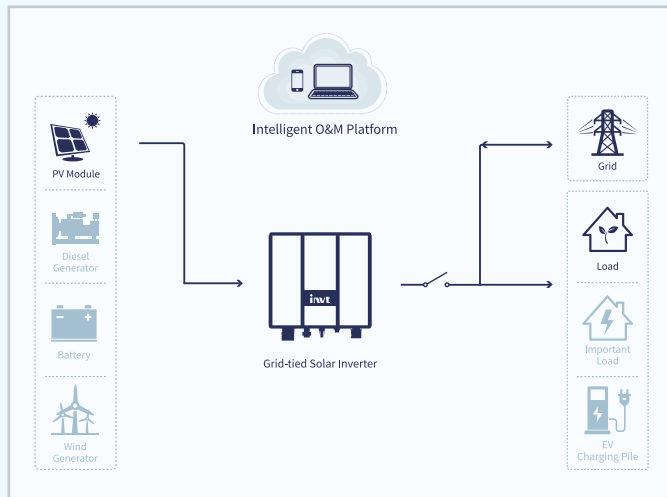


5+5 Warranty

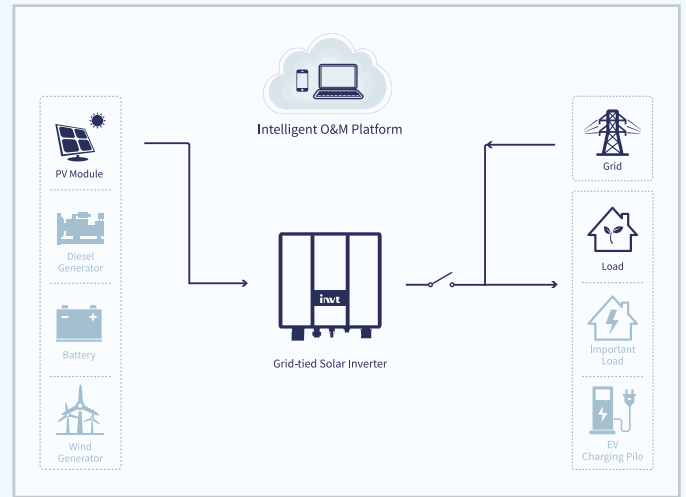




## Solution



• Typical Grid-tied Solution



• Smart Power Output Control System

## Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm <sup>2</sup>	6mm <sup>2</sup>
	260W	275W	280W	290W	310W	315W	320W	330W			
1KW	4	4	\	\	\	\	\	\	1 set	200m	100m
2KW	8	8	7	7	7	6	6	6			
3KW	12	11	11	11	10	10	10	9			
4KW	16	16	14	14	14	12	12	12			
5KW	20	18	18	18	16	16	16	16			
6KW	22	22	22	22	20	20	20	18			

# Product Introduction

## Efficient

- Wider voltage range, lower starting voltage and higher conversion efficiency.
- External inductor , reduce internal temperature.

## Smart

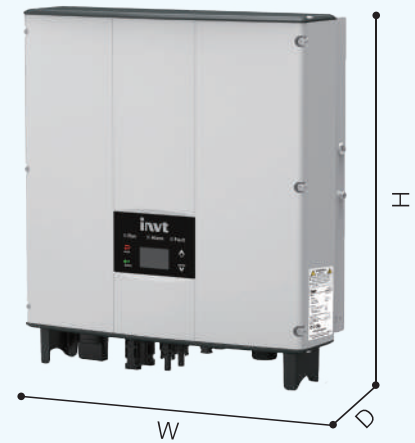
- Grid self-adaptation to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration, HMI is optional.

## Reliable

- Aluminum casing, natural cooling, IP65 protection level.
- International famous brand components to ensure stable operation.

## Simple

- Home appliance style.
- Small in size, light in weight, easy to install.



# Specification

	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
MPPT range (V)	50-400	60-400	80-410	100-410	120-450
<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
Nominal output voltage (V) / Frequency	230, L+N+PE, 50Hz/60Hz				
<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%
<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>					
LCD language	English, Chinese, German, Dutch				
Cooling method	Natural cooling				
Protection degree	IP65				
Operating temperature range	-25°C~+60°C(derate after 45°C)				
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, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, C10/11, TF3.2.1				
Safety 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)				

# Specification

	MG4KTL	MG4K6TL	MG5KTL	MG3KTL-2M	MG4KTL-2M	MG4K6TL-2M	MG5KTL-2M	MG6KTL-2M
<b>Input (DC)</b>								
Max. DC input power (W)	4800	5520	6000	3600	4800	5520	6000	6300
Max. DC input voltage (V)	600							
MPPT range (V)	120-550							
<b>Output (AC)</b>								
Rated output power (W)	3680	4200	4600	3000	3680	4200	4600	6000
Max. AC output current (A)	16	18.3	20	14	16	18.3	20	26
Nominal output voltage (V) / Frequency	230, L+N+PE, 50Hz/60Hz							
<b>Efficiency</b>								
Max. efficiency	97.70%		97.80%		97.70%		97.80%	
Euro-efficiency	96.70%		96.80%		96.70%		96.80%	
<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>								
LCD language	English, Chinese, German, Dutch							
Protection degree	IP65							
Operating temperature range	-25°C~+60°C(derate after 45°C)							
Dimension (H x W x D mm)	405x360x150				462x360x150			
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, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999							
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Factory warranty (years)	5(standard)/10(optional)							

# Applications



• Belgium 4KW



• Australia 5KW



• Mexico 8KW



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