

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



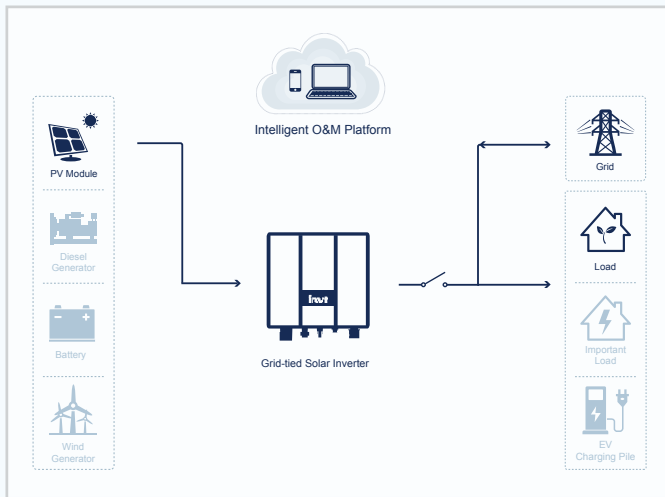
All Aluminium Case



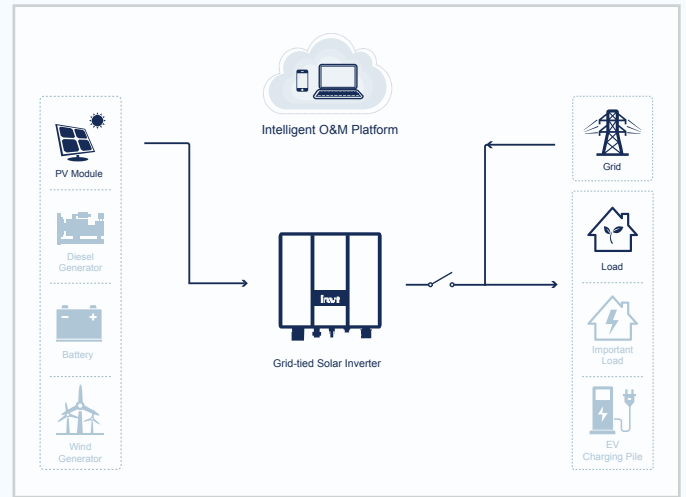
5+5 Warranty



Solution



• Typical Grid-tied Solution



• Smart Power Output Control System

Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm ²	6mm ²
	260W	275W	280W	290W	310W	315W	320W	330W			
1KW	4	4	\	\	\	\	\	\	1 set	100m	200m
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
Input (DC)					
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
Output (AC)					
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				
Efficiency					
Max. efficiency	96.80%	96.90%	97.20%	97.20%	97.30%
Euro-efficiency	95.95%	96.00%	96.10%	96.10%	96.50%
Protection					
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.				
General data					
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
Input (DC)								
Max. DC input power (W)	4800	5520	6000	3600	4800	5520	6000	6300
Max. DC input voltage (V)	600							
MPPT range (V)	120-550							
Output (AC)								
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							
Efficiency								
Max. efficiency	97.70%		97.80%		97.70%		97.80%	
Euro-efficiency	96.70%		96.80%		96.70%		96.80%	
Protection								
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.							
General data								
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)	405×360×150				462×360×150			
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							
Safety certificates / EMC certificates	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)							

Applications



• Belgium 4KW



• Australia 5KW



• Mexico 8KW

