

IMARS MG SERIES SINGLE PHASE GRID TIE INVERTERS

Model	MG4KTL	MG4K6TL	MG5KTL	MG4KTL-2M	MG4K6TL-2M	MG5KTL-2M
DC Input						
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	97.40%	97.50%	97.60%	97.5%	97.6%	97.6%
Euro- Efficiency	96.50%	96.50%	96.60%	96.50%	96.50%	96.6%
MPPT Efficiency	99%					
Protection Degree	IP65					
Consumption at night	<1w< td="">					
Isolation mode	Tansformerless					
Operating temperature	-25°C~+60°C (derate after 45°C)					

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)	350×360×140	400×360×140
Weight (kg)	≤13	≤15
Installation	Wall mounting	
Others		
DC Terminal	MC4	
Certifications	VDE-AR-N4105, G83/2, AS4777/3100, CQC	
	EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12; IEC 62109-1:2010	